

SAMSUNG

SAMSUNG

IP SmartDome Camera

SCC-C6475(P)

Owner's Instructions

E

Руководство пользователя

RU

Instrukcja obsługi

PL



Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding- type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.



13. Unplug this apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



Safety Precautions

The purpose of this information is to ensure proper use of this product to prevent danger or damage to property. Please be sure to observe all precautions.

* The precautions are divided into "Warnings" and "Cautions" as distinguished below:

Warning: Ignoring this warning may result in death or serious injury.

Caution: Ignoring this caution may result in injury or damage to property.

	
Warning instructions alert you to a potential risk of death or serious injury.	Caution instructions alert you to the potential risk of injury or damage to property.

Warning

1. Be sure to use only the standard adapter which is specified in the specification sheet.
Using any other adapter could cause fire, electrical shock, or damage to the product.
2. When connecting the power supply and signal wires, check the external connection terminals before connecting them. Connect the alarm signal wires to the alarm terminals, the AC adapter to the AC power input receptacle, and the DC adapter to the DC power input, making sure that the correct polarity is observed.
(Connecting the power supply incorrectly may cause fire, electrical shock, or damage to the product.)
3. Do not connect multiple cameras to a single adapter.
(Exceeding the capacity may cause abnormal heat generation or fire.)
(A falling camera may cause personal injury.)
4. Securely plug the power cord into the power receptacle.
(Insecure connection may cause fire.)
5. When installing the camera on a wall or ceiling, fasten it securely and firmly. (A falling camera may cause personal injury.)

6. Do not place conductive objects (e.g., screwdrivers, coins, and metal things) or containers filled with water on top of the camera. (Doing so may cause personal injury due to fire, electrical shock, or falling objects.)
7. Do not install the unit in humid, dusty, or sooty locations. (Doing so may cause fire or electrical shock.)
8. If any unusual smells or smoke come from the unit, stop using the product. In such case, immediately disconnect the power source and contact the service center. (Continued use in such a condition may cause fire or electrical shock.)
9. If this product fails to operate normally, contact the store of purchase or your nearest service center. Never disassemble or modify this product in any way. (SAMSUNG is not liable for problems caused by unauthorized modifications or attempted repair.)
10. When cleaning, do not spray water directly onto parts of the product. (Doing so may cause fire or electrical shock.)
Wipe the surface with a dry cloth. Never use detergents or chemical cleaners on the product, as this may result in discoloration of surface or cause damage to the finish.



Caution

1. Do not drop objects on the product or apply strong shock to it. Keep away from a location subject to excessive vibration or magnetic interference.
2. Do not install in a location subject to high temperature (over 122°F), low temperature (below 14°F), or high humidity. (Doing so may cause fire or electrical shock.)
3. Avoid a location which is exposed to direct sunlight, or near heat sources such as heaters or radiators. (Neglecting to do so may result in a risk of fire.)
4. If you want to relocate the already installed product, be sure to turn off the power and then move or reinstall it.
5. Install in a well-ventilated location.
6. Remove the power plug from the outlet when there is a lightning storm. (Neglecting to do so may cause fire or damage to the product.)

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Before Usage

This is a basic instruction manual for the SCC-C6475(P) user. It contains all the instructions needed to use the SCC-C6475(P) from a simple introduction of the control locations and functions of the SCC-C6475(P) to installation methods in the set up menu.

We recommend all users of the SCC-C6475(P) from the advanced user who has used similar cameras before to the general user to read the instruction manual before using.

The most frequently used feature in the SCC-C6475(P) would be the SCC-C6475(P) Setup Menu.

The SCC-C6475(P) Setup Menu is explained in detailed in "Chapter 3 Setup Menu Overview".

The instructional manual is best used when read from beginning to end, but for users wanting to read only the part they need here are the Chapter summaries.

"Chapter 1 SCC-C6475(P) Overview" includes a brief introduction of the SCC-C6475(P), part names and functions, and Switch Settings.

"Chapter 2 SCC-C6475(P) Installation" explains the installation procedures of the SCC-C6475(P) and provides preparation and installation environment requirements.

"Chapter 3 Setup Menu Overview" presents the structure of the Setup menu for the SCC-C6475(P) including a detailed explanation of the functions performed in each submenu.

We will check how to use the 3 ip routers such as Linksys (Model: WRT54G), Netgear (Model: RP614v2), D-Link (Model: DI-624+) in the **"appendix: Installation of IP router"**.

"Appendix SCC-C6475(P) Product Specifications" contains product specifications of the SCC-C6475(P) in itemized categories.

Table of contents

Before Usage	1-1
Chapter 1 SCC-C6475(P) Overview	1-6
SCC-C6475(P) Introduction	1-7
Locations of Control	1-8
Camera Main Body	1-8
Camera Holder	1-9
ADAPTER CONNECTION	1-10
INITIAL SETTING	1-11
Setting RS-422A/RS-485 termination	1-12
Factory Default	1-13
Chapter 2 SCC-C6475(P) Installation	2-1
Before Installing	2-2
Preparing the Cables	2-3
Cable Connection	2-4
Installing SCC-C6475(P)	2-5
Installing the Camera	2-8
Chapter 3 Network Manual Overview	3-1
1. Connecting SCC-C6475(P) Network	3-2
2. Setting the IP	3-22
3. Log In	3-23
4. Main Screen	3-24
❖ Title bar and the upper menu	3-24
❖ Viewer Screen	3-25
❖ Logo and Video Format	3-25
❖ Choice of camera and channel	3-26
❖ Screen Size/Alarm/Banner window display	3-27
❖ Screenshot/record/play	3-28
❖ Image screen adjustment	3-29
5. Setting and Changing the function	3-30
❖ Setting the basic function	3-30
- Video	3-30
- IP	3-32
- User	3-34
- Camera	3-35
- Language	3-36
- Preset	3-36
❖ Setting the system	3-37
- Status	3-37
- Date/Time	3-38
- IP Filter	3-39
- Log	3-40
- Software Update	3-41
- Reset	3-42
- Parameter	3-43

❖ Layout	3-44
- Overlay Image	3-44
- Overlay Text	3-46
- Screen Look	3-47
- View HTML Code	3-48
❖ Alarm	3-49
- Transfer Setup	3-49
- Alarm Setup	3-50
- I/O Port	3-52
❖ Network	3-54
- Network	3-54
- IP Notification	3-56
6. Network Terms Definition	3-57

Chapter 4 Setup Menu Overview	4-1
Structure of the Setup Menu	4-2
1. CAMERA SET	4-4
- CAMERA ID	4-4
- V-SYNC	4-5
- COLOR/BW	4-6
- MOTION DET	4-7
- ZOOM SPEED	4-8
- DIGITAL ZOOM	4-8
- EXIT	4-8
2. VIDEO SET	4-9
- IRIS	4-9
- ALC	4-9
- BLC	4-9
- WDR	4-9
- SHUTTER	4-10
- AGC	4-11
- MOTION	4-11
- WHITE BAL	4-12
- DIS	4-13
- FOCUS MODE	4-14
- SPECIAL	4-14
- EXIT	4-14
3. PRESET	4-15
- POSITION SET	4-16
- PRESET ID	4-16
- VIDEO SET	4-16
- PRESET SPEED	4-16
- DWELL TIME	4-16
- IMAGE HOLD	4-16
- EXIT	4-16

4. ZONE SET	4-17
- PRIVACY ZONE	4-17
- STYLE	4-17
- BLANK ALL ABOVE	4-18
- BLANK ALL BELOW	4-18
- PRIVACY ZONE MAP3	4-18
- SET ZONE AREA	4-19
- SET ZOOM	4-20
- REVERSE	4-20
- EXIT	4-20
- ZONE DIR SET/ZONE AREA SET	4-20
- ZONE DIR SET	4-21
- ZONE AREA	4-21
- LOCATION	4-22
- ZONE ID SET	4-22
- ZONE ENABLE	4-22
5. AUTO SET	4-23
- AUTO PAN	4-23
- START SET	4-23
- END SET	4-23
- DIRECTION	4-24
- ENDLESS	4-24
- SPEED	4-24
- DWELL TIME	4-24
- PATTERN	4-24
- SCAN	4-25
- AUTO PLAY	4-26
- AUTO RETURN	4-26
- PLAY NUMBER	4-26
6. ALARM SET	4-27
- ALARM PRIORITY SET	4-27
- ALARM IN SET	4-27
- ALARM OUT SET	4-27
- AUTO SET	4-28
- AUX OUT CONTROL	4-28
7. OTHER SET	4-28
- PROPORTIONAL P/T	4-28
- TURBO P/T	4-29
- AUTO CAL	4-29
- D-FLIP	4-29
- CAM RESET	4-29
- LANGUAGE	4-29
- PASSWORD	4-29
8. SYSTEM INFO	4-30
9. SHORT KEYS	4-31

Appendix	5-1
Installing the IP router	5-2
Product specifications	5-18

Chapter 1 SCC-C6475(P) Overview

In this chapter we will briefly introduce the SCC-C6475(P) and show main functions, locations of control and Switch Setting.

SCC-C6475(P) Introduction

SCC-C6475(P) is a zoom lens built in smart dome camera which provides you with the best monitoring function in connection with CCTV at banks or companies.

The SCC-C6475(P) is a high quality surveillance camera using x22 zoom lens and digital zoom IC, it can catch clear images up to 220 times.

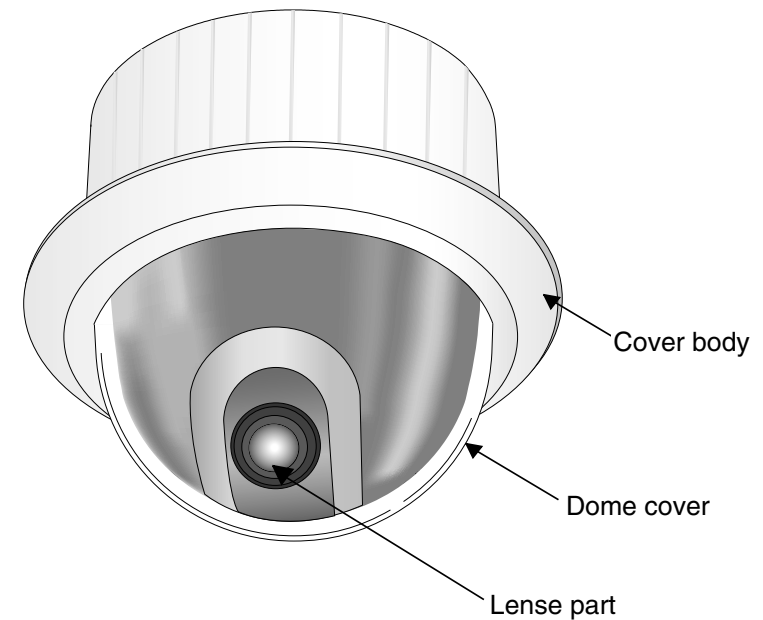
SCC-C6475(P) has a variety of functions such as;

- WDR to cover the full screen irregardless of its brightness,
- COLOR/BW to improve the sensitivity by automatic conversion into the black and white mode at night or in the environment with low illumination,
- White Balance to control the brightness to the illumination,
- Backlight Compensation under spotlight or utmost bright illumination,
- Auto Focus to automatically adjust the focus to the subject movement,
- Privacy zone to hide a specific area for personal privacy, and,
- PAN/TILT for precise control at high speed.

The SCC-C6475(P) uses an Alarm function for alert situations and moving camera in the direction you want, ZOOM-IN and ZOOM-OUT functions can be remote controlled.

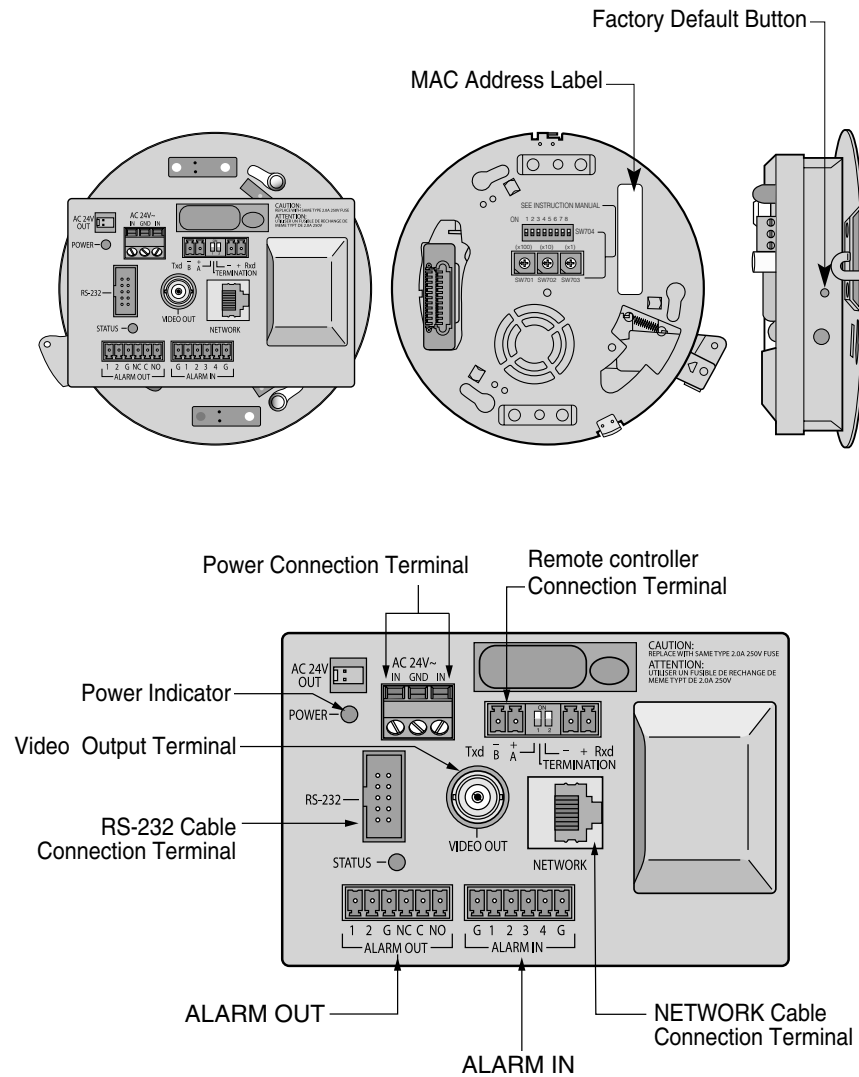
Locations of Control

Camera Body

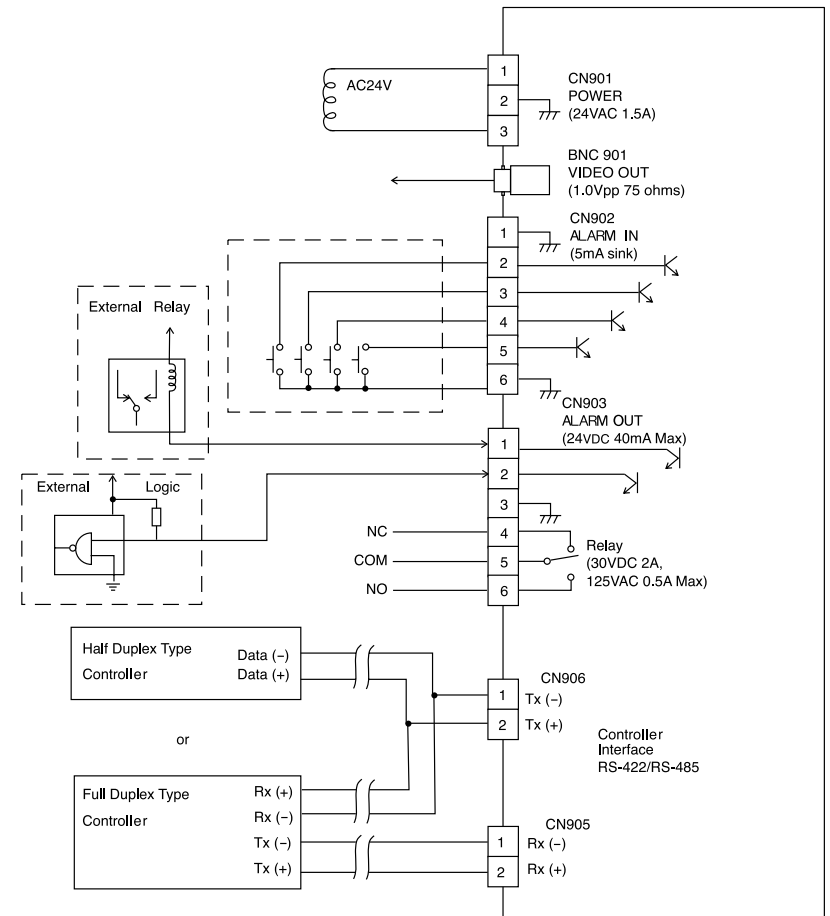


ADAPTER CONNECTION

Camera Holder



SCC-C6475(P) Adapter BOARD

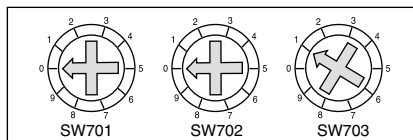


INITIAL SETTING

CAMERA ADDRESS SETUP

Use SW701, SW702, or 703 for Camera Address setup. You may allocate up to 255 addresses by using SW701 to set the 3rd digit, SW702 the 2nd digit, and SW703 the 1st digit.

EX) In case of Camera Address 1, see the following figure for setup.

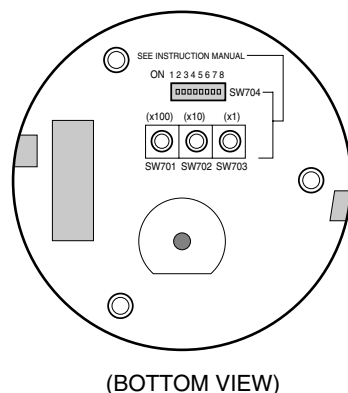


Setting communication Protocol

Use number 1~4 PIN of SW704 to set communication Protocol.

PIN Comp	PIN1	PIN2	PIN3	PIN4
A	OFF	OFF	OFF	OFF
B	ON	OFF	OFF	OFF
C	OFF	ON	OFF	OFF
D	ON	ON	OFF	OFF
E	OFF	OFF	ON	OFF
F	ON	OFF	ON	OFF
G	OFF	ON	ON	OFF
H	ON	ON	ON	OFF
I	OFF	OFF	OFF	ON
J	ON	OFF	OFF	ON
K	OFF	ON	OFF	ON
L	ON	ON	OFF	ON
M	OFF	OFF	ON	ON
N	ON	OFF	ON	ON
O	OFF	ON	ON	ON
P	ON	ON	ON	ON

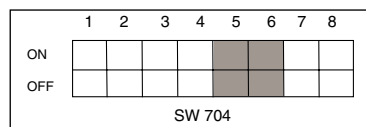
A : SAMSUNG HALF
B : SAMSUNG FULL



(BOTTOM VIEW)

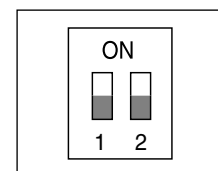
Baud Rate Setting

Use PIN 5 and 6 of SW704.

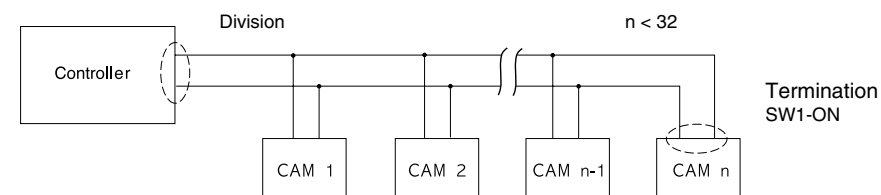


BAUD RATE	PIN 5	PIN 6
4800 BPS	ON	ON
9600 BPS	OFF	ON
19200 BPS	ON	OFF
38400 BPS	OFF	OFF

Setting RS-422A/RS-485 termination

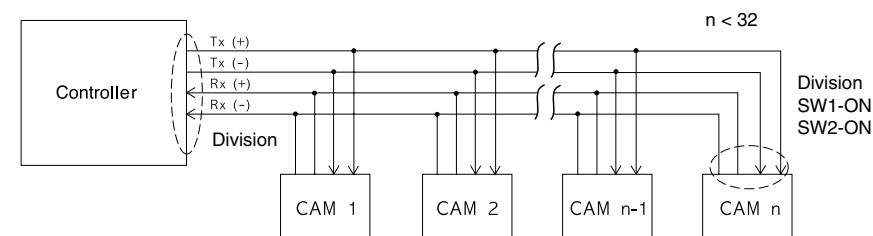


As it is shown in the structure map, when Controller and RS-422A/RS-485 is connected it should be terminated according to the Cable feature of impedance on the each end of the transmitting line to transfer the signals in long distance by controlling the reflection of the signals to the lowest.



<RS-485 Half Duplex Organization>

Termination: using numbers 1 and 2 PIN, turn to ON and it will be terminated.



<RS-422A/RS-485 Full Duplex Organization>

Factory Default

It recovers the whole setting of SCC-C6475(P) to the factory default. There are two Factory Default methods as follows.

(1) Using the Factory Default in the Reset page

Refer to 5. Setting and changing the function (System - Reset) in Chapter 3 Network menu Overview.

(2) Using the Factory Default button on the side of the unit.

Proceed as follows.

1. Turn the power off.
2. While pressing the Factory default button, turn the power on.
3. When the Status LED flickers 3 times in red, unpress the Factory Default button.
4. If the Status LED turns to green, the whole setting of SCC-C6475(P) recovers to the factory default.

Caution

After executing, the user can access only when executing the basic network setting (IP Address, Subnet<RS-485 Half Duplex configuration> Mask, Gateway) by using the IP installer.

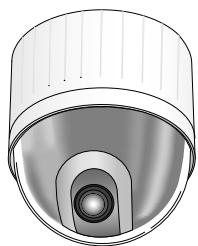
Chapter 2 SCC-C6475(P) Installation

In this chapter, we will check the contents of the package before installing the SCC-C6475(P), and prepare a power adapter suitable for the power supply system.
(Power Consumption: 25W; Voltage: AC24V, 1.5A)
Then, we will install the SCC-C6475(P) and connect the cables.

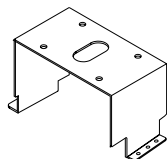
Before Installing

Checking Package Contents

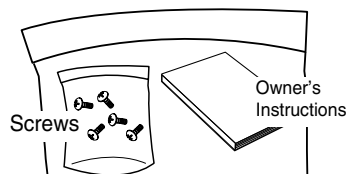
Please check that all components listed below are included in the package:



SCC-C6475(P)



Bracket anchor



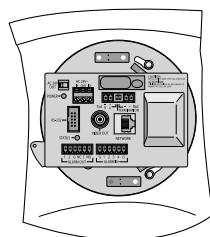
Screws

Owner's
Instructions

Installation CD

Cover Body

RJ-45 CROSS LAN
CABLE



Camera Holder
Adapter Board

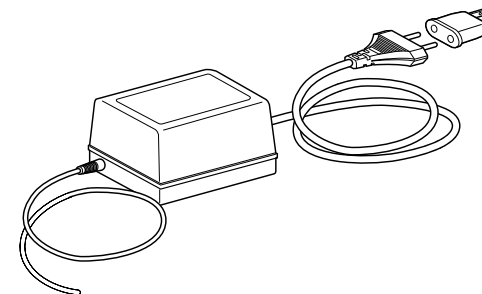
Preparing the Cables

To install and use the SCC-C6475(P), the following cables should be prepared.

Power Adapter Cable

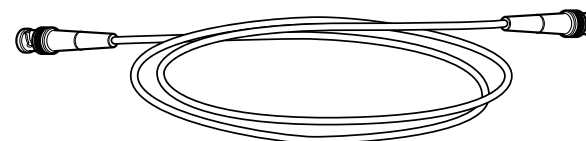
The cable that plugs into the SCC-C6475(P) power input receptacle has the rated voltage of AC24V, 1.5A.

Check the rated voltage before using the cable.



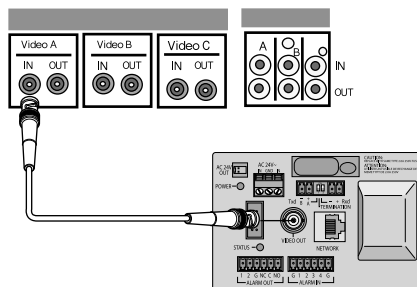
Video Cable

The SCC-C6475(P)'s cable is a BNC Cable for connecting the video-output terminal to the video-input terminal of the monitor.

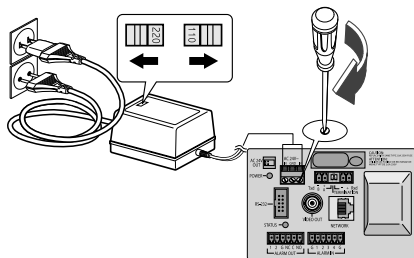


Cable Connection

1. First, connect one end of the BNC video cable connector to the Video Output Terminal (VIDEO OUT)
2. Then, connect the other end of the connector to the Video Input Terminal of the monitor.

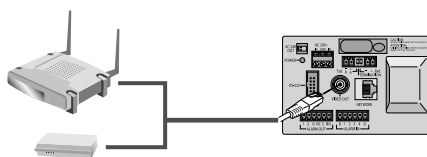


3. Adjust the power select switch (110 V or 220 V) after verifying the power to connect SCC-C6475(P).

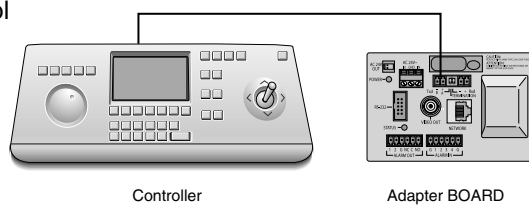


4. Connect the two adapter power output cables to the power input terminal of SCC-C6475(P) by using the setting driver.

5. Connect the LAN cable to the IP router or hub to the using NETWORK connect terminal.



6. Connect the Remote Control Terminal of the SCC-C6475(P) and the external Controller.



Controller

Adapter BOARD

Installing SCC-C6475(P)

Installation Precautions

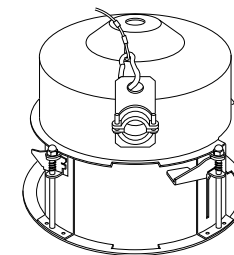
- 1) Make sure that the installation site can sufficiently support a minimum of four times the net weight of the SCC-C6475(P) IP SmartDome Camera and other accessories.
- 2) Install in an area where the space above the ceiling board is over 18 cm (7 in.) high.
- 3) Use the supplied screws to fasten the camera to the bracket assembly.
- 4) Keep persons away from the installation area, as there is a risk of falling objects.
Also, move valuables to a safe location before installation.

Separately Sold Products for Installation

Depending on the installation site, it may be convenient to use one of the following products.

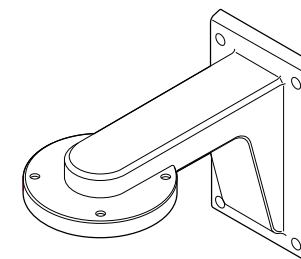
- 1) CEILING MOUNT BRACKET (SBR-100DCM)

This bracket is used for installing the IP SmartDome Camera in the plenum above the drop ceiling.



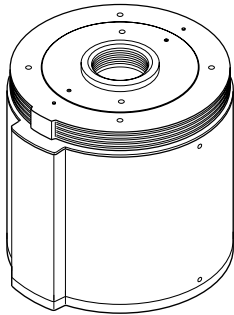
- 2) WALL MOUNT ADAPTOR (SADT-100WM)

This adaptor is used for installing the indoor housing or the outdoor housing for the IP SmartDome Camera on a wall.



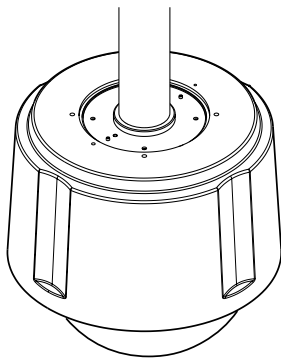
3) INDOOR HOUSING (SHG-120)

This housing is used for installing the IP SmartDome Camera to an indoor wall or a ceiling.



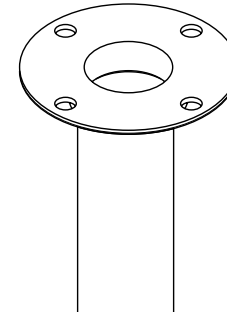
4) OUTDOOR HOUSING (SHG-220)

This housing is used for installing the IP SmartDome Camera to an outdoor wall or a ceiling.



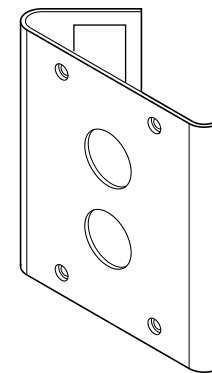
5) CEILING MOUNT ADAPTOR (SADT-100CM)

This adaptor is used for installing the indoor housing or the outdoor housing for the IP SmartDome Camera to a concrete ceiling.



6) POLE MOUNT ADAPTOR (SADT-100PM)

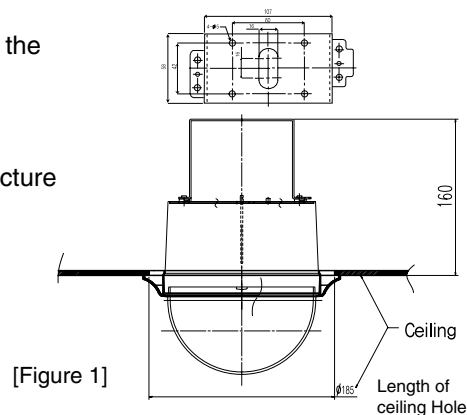
This adaptor is used for installing the WALL MOUNT ADAPTOR (SADT-100WM) to a pole that is over 8 cm (2.76 in.) in diameter.



Installing the Camera

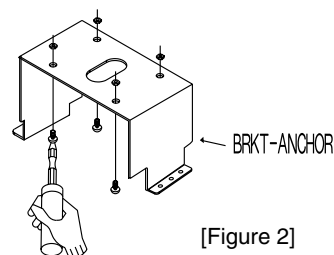
1. [Figure 1] Install the structure on the ceiling.
(Refer to Installation reference for the Length of the structure)

* Built in by the builder of the structure

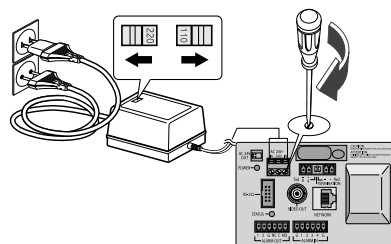
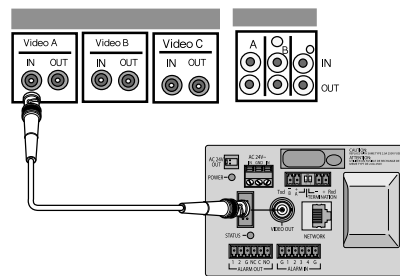


2. Make a hole in the ceiling where the camera will be installed.
(The hole should be about $\varnothing 185$)

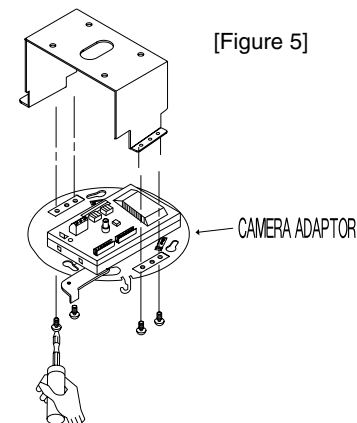
3. [Figure 2] Assemble the BRKT-ANCHOR on the ceiling and screw the 4 bolts in.



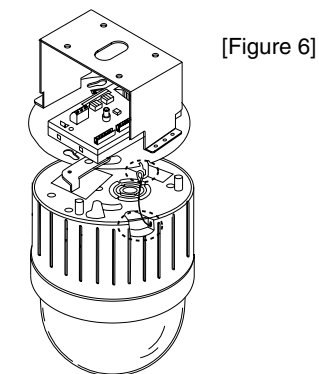
4. [Figure 3,4] Connect the various cables to the CAMERA ADAPTER.
(See page 2-4)



5. [Figure 5] Match the Bracket anchor and CAMERA ADAPTER and use 4 screws (PH M4 x 8) to assemble them.



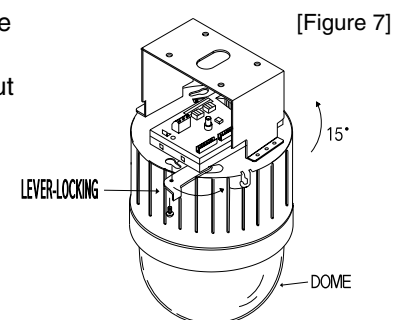
6. Pull the safety wire from the case body, and assembly it to the camera holder.



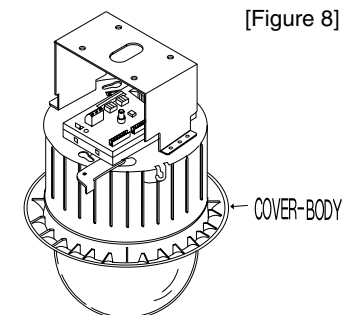
7. [Figure 7] Match the 3 holes on the back of the CAMERA and the CONNECTOR and turn it left about 15 degrees.

(Check the sound of LOCKING and that the LEVER-LOCKING is in place)

* Use the screws (BH M3 x L8) to connect the CAMERA and the ADAPTER so they don't move.



8. [Figure 8] Assemble the COVER-BODY onto the DOME.



Chapter 3. Network Manual Overview

In this chapter, we will check how to install the IP Setting of SCC-C6475(P) and operate the camera connecting with network by using the camera access program, and also check various features and usage.

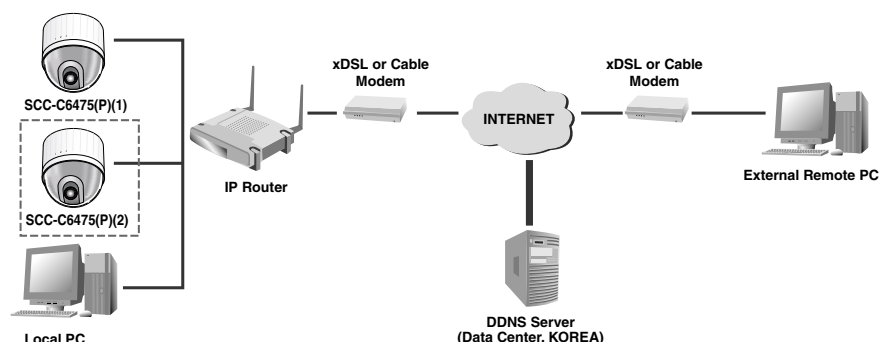
Caution

Smart Viewer for ProCam for Web-browser operates normally with Microsoft Internet Explorer 5.0 and above. If the other browser is used, some functions may operate abnormally.

1. Connecting SCC-C6475(P) Network

This chapter uses Linksys (WRT54G) IP router as an example to explain this network connection. Please refer to the "IP router setting" to set the competitor's IP router model setting.

1) In case of using xDSL/Cable Internet network and IP router



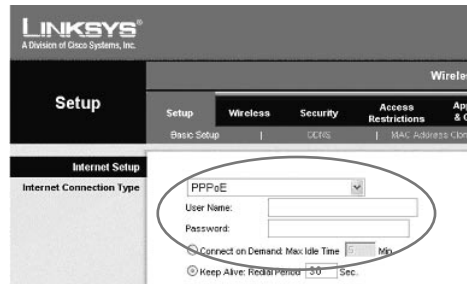
- If the user wants to use IP router to configure the network, he/she should connect IP router to ADSL or Cable modem first, and set them in the menu of IP router.
- To access the setup menu of the IP router, enter the IP router access address in the Local PC internet browser connected to the IP router. (Example: <http://192.168.1.1>)

* Please assign the Local PC window network setting as the following example.

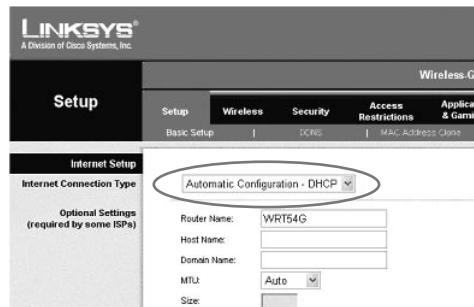
Example) IP: 192.168.1.2
Subnet mask: 255.255.255.0
Gateway: 192.168.1.1

- When accessing the IP router address, window to ask the password appears. Do not enter anything in the User Name and enter the 'admin' in the password and press 'OK', the IP router setting page appears.

- If the IP router is connected to xDSL modem, select 'PPPoE' in Setup → Basic Setup as figure and enter the User Name and Password to access the ISP (Internet Service Provider).



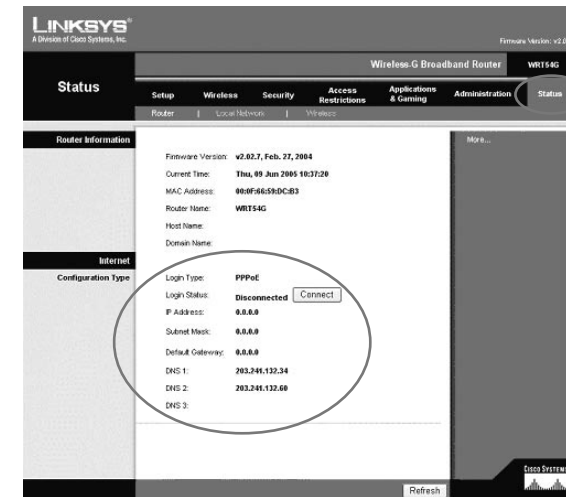
- If the IP router is connected to the Cable modem, select 'Automatic Configuration-DHCP' in Setup → Basic Setup as figure.



- After finishing the setting, click the 'Save settings' button and save the setting.



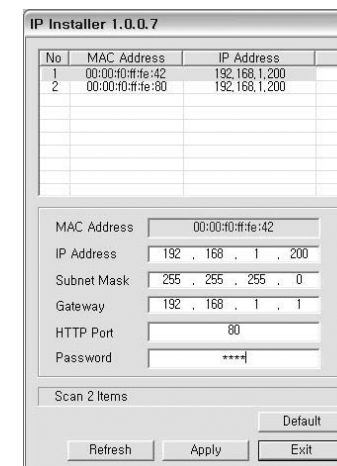
- Check the 'Status' page to verify that xDSL or Cable modem is connected successfully.



If not, click the 'Connect' button to retry, or recheck the setting value and retry.

If xDSL or Cable modem is connected successfully, IP, Subnet Mask, Gateway from ISP will be indicated.

- Execute IPInstaller.exe program in the user's Local PC to set the SCC-C6475(P) IP connected to the IP router.



1. Execute the IP installer program and the MAC Address and IP Address list of SCC-C6475(P) cameras connected to the IP router will be shown.

- SCC-C6475(P) IP's basic value is set as '192.168.1.200' when shipping.
- MAC Address of each SCC-C6475(P) is indicated at the back of the camera holder, please check when you sort the camera.

2. When selecting the camera that is desired to set in the camera list, the selected camera IP, Subnet Mask, Gateway, HTTP Port in the information window at the bottom of the list will be indicated as the basic value when it was shipped.

3. Set the selected camera IP to the private IP scope that IP router provides. (Example: 192.168.1.2~255)

4. Subnet Mask and Gateway should note and enter the IP router setting.

- Setup → Refer to the Local IP Address and Subnet Mask of the Router IP in the Network Setup at the Basic Setup.
- Local IP Address becomes the SCC-C6475(P) Gateway value.

5. HTTP Port that Internet browser use to access is set 80 as a basic value, but it can be changed as the user's network configuration.

For example, more than 2 SCC-C6475(P) cameras are connected to an IP router, HTTP Port of each camera should be set differently.

6. After completing every setup, enter the Password and click the Apply button. And then SCC-C6475(P) will reboot automatically.

- Password is the root user's log in Password to access the SCC-C6475(P).
- Password is set as basic value '4321' when it is shipped.

In case of connecting more than 2 cameras to one IP router

1. Set the SCC-C6475(P) IP and HTTP Port differently.

Example) No.1 SCC-C6475(P) - **IP: 192.168.1.200**

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.1

HTTP Port: 80

No.2 SCC-C6475(P) - **IP: 192.168.1.201**

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.1

HTTP Port: 81

- After completing the setup as above, user executes the internet browser in the Local PC and access SCC-C6475(P). If the camera that HTTP Port is set to other numbers except 80, user should enter the Port number at browser address window together to access.

Example) http://192.168.1.201:81

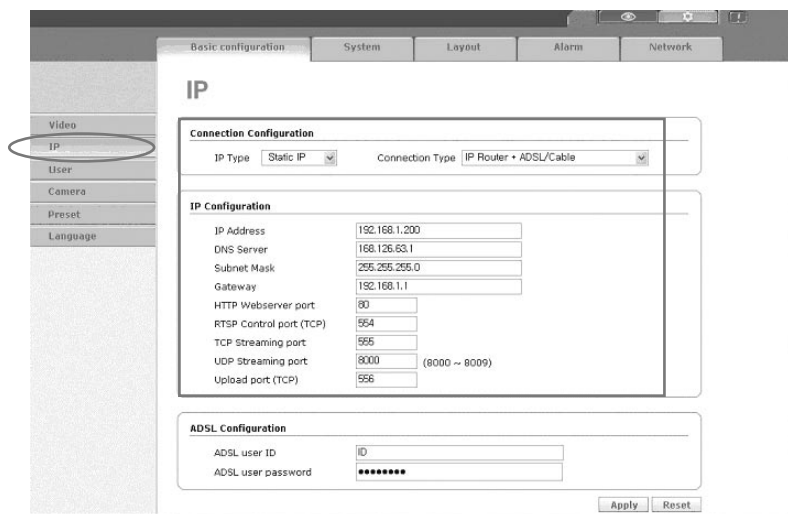
- Accessing SCC-C6475(P) by using the internet browser, Log In page as follow appears.

- User ID to Log In is set to a basic value 'root' when it was shipped and the password is '4321'.

- Log in at SCC-C6475(P) and the main screen that user can see images appears.
- After checking if the camera image works well, click the setup mode button in the right up side of the main screen.



- Move the SCC-C6475(P) setup mode to the Basic Configuration → IP page.



- Check if the setting value that user has entered the setting value by using the IP Installer program in the IP Configuration item is saved safely.
 - DNS Server setting is assigned as the basic value '168.126.63.1'. User can change the setting value when needed.
- Assign IP Type as 'Static IP' in the Connection Configuration, and assign Connection Type as 'IP Router + ADSL/Cable'.
 - In case that the Connection Configuration is not set for the user's network environment, the access cannot be done or the image cannot be appeared smoothly.

- Set RTSP Control port, TCP Streaming port, UDP Streaming port, and Upload port. Each port is the access port that SCC-C6475(P) network program is using, in case that several SCC-C6475(P) is connected to one IP router, SCC-C6475(P) port should be set differently.
 - RTSP Control port: Port to control the image sending. The basic value is set 554(TCP).
 - TCP Streaming port: Port to send the image by using the TCP process. The basic value is set 555 (TCP).
 - UDP Streaming port : Port to send the image by using the UDP process. The basic value is set 8000~8009(UCP).
 - Upload port: Port to upgrade S/W. The basic value is set 556(TCP).

In case of connecting more than 2 cameras to an IP router

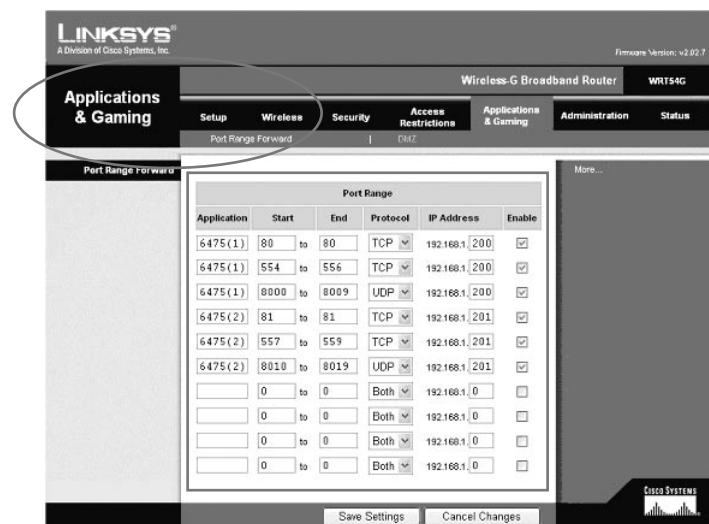
1. Set each SCC-C6475(P) Port differently.

Example) No.1 SCC-C6475(P) – RTSP Control port: 554
 TCP Streaming port: 555
 UDP Streaming port: 8000
 (8000~8009)
 Upload port: 556

No.2 SCC-C6475(P) – RTSP Control port: 557
 TCP Streaming port: 558
 UDP Streaming port: 8010
 (8010~8019)
 Upload port: 559

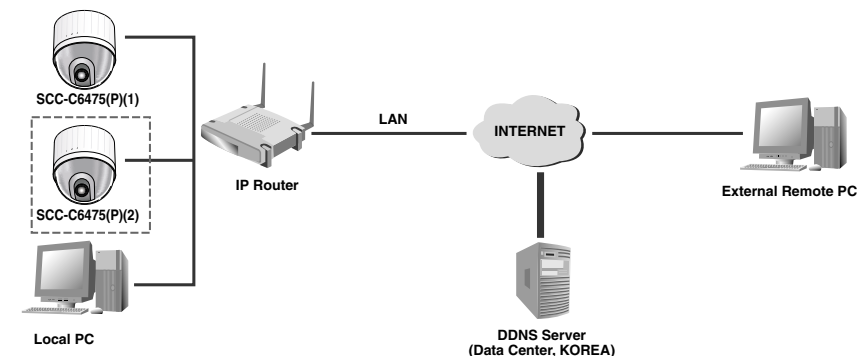
- After completing every setup, Click the Apply button.
 - SCC-C6475(P) will be reboot if the IP-related setting is changed
- Finally, set the Port Forwarding in order for IP router to handle the access requirement about the assigned IP to each SCC-C6475(P) camera.

- IP router Port Forwarding setting can be designated at the Application & Gaming → Port Range Forward page.

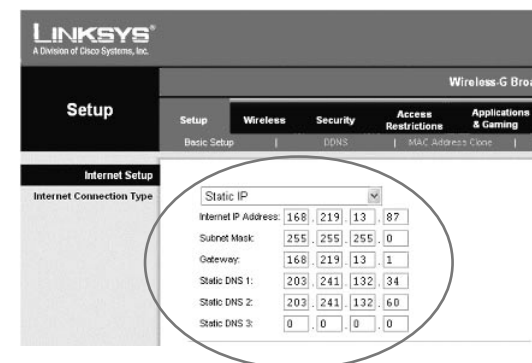


- As the Example in the figure, designate the TCP and UDP Port to the SCC-C6475(P) camera that is connected to the IP router.
Each port that is set to the IP router should be set to the Port number that is set at the SCC-C6475(P) IP setup page.
- After completing the Port Forwarding setting to the SCC-C6475(P), Click the Save Settings and save the setting value.
- Completing the above setting, User can access the SCC-C6475(P) and monitor the monitoring image by using the Local PC connected to the IP router and also monitor the image to access the external IP router Remote PC.
 - In case of accessing in the Local PC, user can access it by using the private IP (Example: 192.168.1.200) designated to SCC-C6475(P).
 - IP or DDNS address of the IP router in case of accessing in the External Remote PC. Access using (Example: cffe42.websamsung.net).
- DDNS address consists of a combination of 6 digits from the back of MAC Address of SCC-C6475, a lower case letter 'c', 'm', or 'p', and the domain name which is websamsung.net.
When 6 digits from the front of MAC Address of SCC-C6475 starts from '00:00:f0', attach the lower case 'c', when starting from '00:16:6c', attach the lower case 'm', and when starting from '00:68:36', attach the lower case 'p'.
Example 1) If the MAC Address of SCC-C6475 is 00:00:f0:ff:fe:42, DDNS address = c + ffe42 + websamsung.net = cffe42.websamsung.net
Example 2) If the MAC Address of SCC-C6475 is 00:16:6c:ff:fe:42, DDNS address = m + ffe42 + websamsung.net = mffe42.websamsung.net
Example 3) If the MAC Address of SCC-C6475 is 00:68:36:ff:fe:42, DDNS address = p + ffe42 + websamsung.net = pffe42.websamsung.net

2) In case of using the LAN and IP router



- If the user use the IP router and configure network in the LAN environment, set in the menu of the IP router.
- To access the setup menu of the IP router, enter the IP router access address in the Local PC internet browser connected to the IP router. (Example: http://192.168.1.1)
- Please assign the Local PC window network setting as the following example.
Example) IP: 192.168.1.2
Subnet mask: 255.255.255.0
Gateway: 192.168.1.1
- When accessing the IP router address, window to ask the password appears. Do not enter anything in the User Name and enter the 'admin' in the password and press 'OK', the IP router setting page appears.
- Select 'Static IP' in the Setup → Basic Setup as figure, enter the valid IP and Subnet Mask, Gateway, DNS that is possible to connect the internet. Contact the Network manager about the setting value.



- Execute IPInstaller.exe program in the user's Local PC to set the SCC-C6475(P) IP connected to the IP router.

1. Execute the IP installer program and the MAC Address and IP Address list of SCC-C6475(P) cameras connected to the IP router will be shown.
 - SCC-C6475(P) IP's basic value is set as '192.168.1.200' when shipping.
 - MAC Address of each SCC-C6475(P) is indicated at the back of the camera holder, please check when you sort the camera.
2. When selecting the camera that is desired to set in the camera list, the selected camera IP, Subnet Mask, Gateway, HTTP Port in the information window at the bottom of the list will be indicated as the basic value when it was shipped.
3. Set the selected camera IP to the private IP scope that IP router provides. (Example: 192.168.1.2~255)
4. Subnet Mask and Gateway should note and enter the IP router setting.

- Setup → Refer to the Local IP Address and Subnet Mask of the Router IP in the Network Setup at the Basic Setup.
- Local IP Address becomes the SCC-C6475(P) Gateway value.

5. HTTP Port that Internet browser use to access is set 80 as a basic value, but it can be changed as the user's network configuration.
For example, more than 2 SCC-C6475(P) cameras are connected to an IP router, HTTP Port of each camera should be set differently.
6. After completing every setup, enter the Password and click the Apply button. And then SCC-C6475(P) will reboot automatically.
 - Password is the root user's log in Password to access the SCC-C6475(P).
 - Password is set as basic value '4321' when it is shipped.

In case of connecting more than 2 cameras to one IP router

1. Set the SCC-C6475(P) IP and HTTP Port differently.

Example) No.1 SCC-C6475(P) - **IP: 192.168.1.200**
 Subnet Mask: 255.255.255.0
 Gateway: 192.168.1.1
HTTP Port: 80

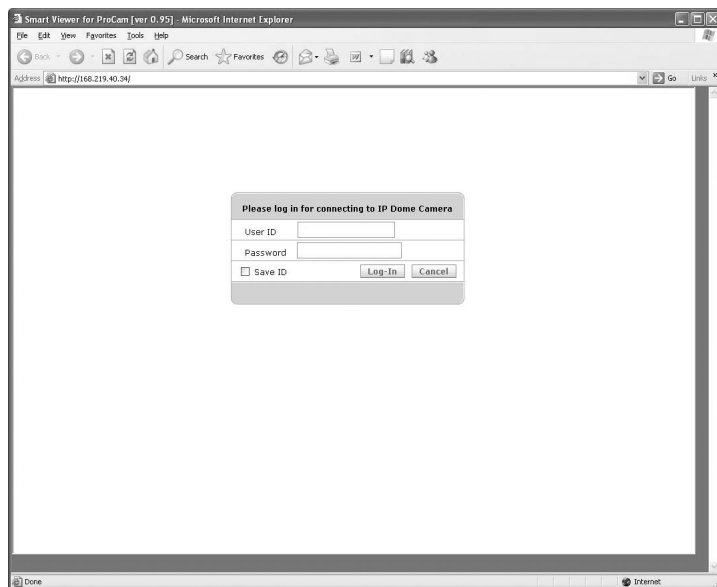
No.2 SCC-C6475(P) - **IP: 192.168.1.201**
 Subnet Mask: 255.255.255.0
 Gateway: 192.168.1.1
HTTP Port: 81

- After completing the setup as above, user executes the internet browser in the Local PC and access SCC-C6475(P).

If the camera that HTTP Port is set to other numbers except 80, user should enter the Port number at browser address window together to access.

Example) http://192.168.1.201:81

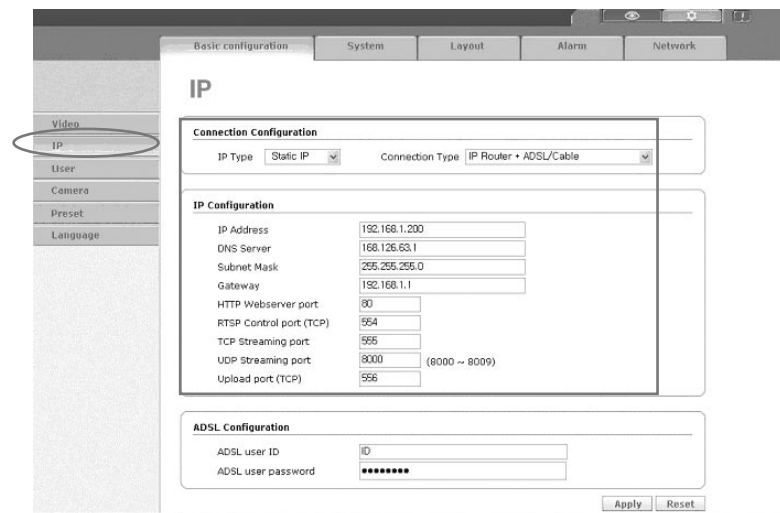
- Accessing SCC-C6475(P) by using the internet browser, Log In page as follow appears.



- User ID to Log In is set to a basic value 'root' when it was shipped and the password is '4321'.
- Log in at SCC-C6475(P) and the main screen that user can see images appears.
- After checking if the camera image works well, click the setup mode button in the right up side of the main screen.



- Move the SCC-C6475(P) setup mode to the Basic Configuration → IP page.



- Check if the setting value that user has entered the setting value by using the IP Installer program in the IP Configuration item is saved safely.
 - DNS Server setting is assigned as the basic value '168.126.63.1'. User can change the setting value when needed.
- Assign IP Type as 'Static IP' in the Connection Configuration, and assign Connection Type as 'IP Router + LAN'.
 - In case that the Connection Configuration is not set for the user's network environment, the access cannot be done or the image cannot be appeared smoothly.
- Set RTSP Control port, TCP Streaming port, UDP Streaming port, and Upload port. Each port is the access port that SCC-C6475(P) network program is using, in case that several SCC-C6475(P) is connected to one IP router, SCC-C6475(P) port should be set differently.
 - RTSP Control port: Port to control the image sending. The basic value is set 554(TCP).
 - TCP Streaming port: Port to send the image by using the TCP process. The basic value is set 555 (TCP).
 - UDP Streaming port : Port to send the image by using the UDP process. The basic value is set 8000~8009(UCP).
 - Upload port: Port to upgrade S/W. The basic value is set 556(TCP).

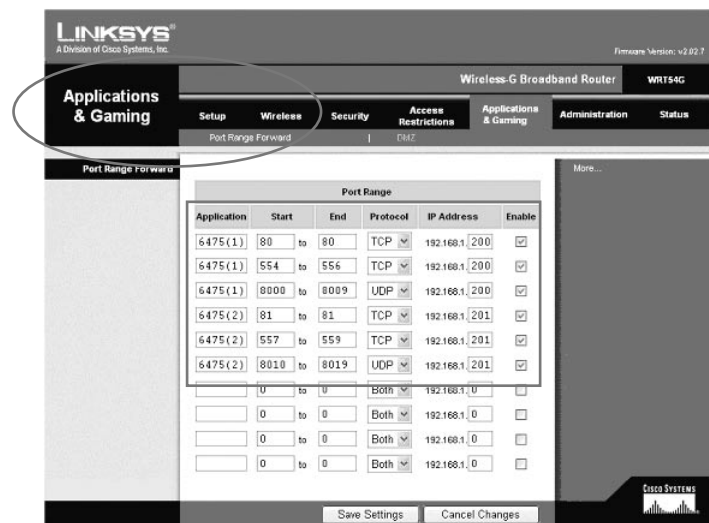
In case of connecting more than 2 cameras to an IP router

1. Set each SCC-C6475(P) Port differently.

Example) No.1 SCC-C6475(P) – RTSP Control port: 554
 TCP Streaming port: 555
 UDP Streaming port: 8000 (8000~8009)
 Upload port: 556

No.2 SCC-C6475(P) – RTSP Control port: 557
 TCP Streaming port: 558
 UDP Streaming port: 8010 (8010~8019)
 Upload port: 559

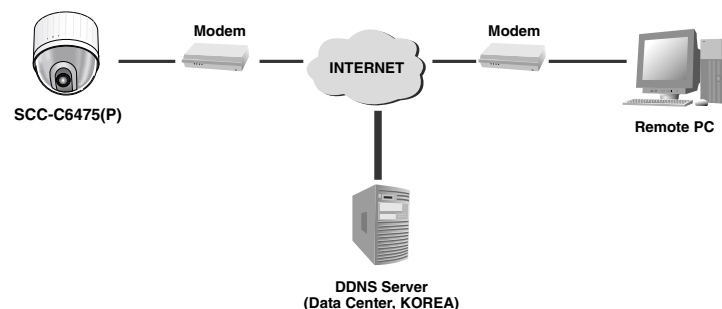
- After completing every setup, Click the Apply button.
 - SCC-C6475(P) will be reboot if the IP-related setting is changed
- Finally, set the Port Forwarding in order for IP router to handle the access requirement about the assigned IP to each SCC-C6475(P) camera.
- IP router Port Forwarding setting can be designated at the Application & Gaming → Port Range Forward page.



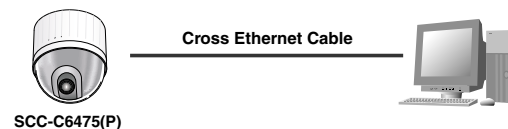
- As the Example in the figure, designate the TCP and UDP Port to the SCC-C6475(P) camera that is connected to the IP router.
 Each port that is set to the IP router should be set to the Port number that is set at the SCC-C6475(P) IP setup page.

- After completing the Port Forwarding setting to the SCC-C6475(P), Click the Save Settings and save the setting value.
- Completing the above setting, User can access the SCC-C6475(P) and monitor the monitoring image by using the Local PC connected to the IP router and also monitor the image to access the external IP router Remote PC.
 - In case of accessing in the Local PC, user can access it by using the private IP (Example: 192.168.1.200) designated to SCC-C6475(P).
 - IP or DDNS address of the IP router in case of accessing in the External Remote PC. Access using (Example: cffe42.websamsung.net).
- DDNS address consists of a combination of 6 digits from the back of MAC Address of SCC-C6475, a lower case letter 'c', 'm', or 'p', and the domain name which is websamsung.net.
 When 6 digits from the front of MAC Address of SCC-C6475 starts from '00:00:f0', attach the lower case 'c', when starting from '00:16:6c', attach the lower case 'm', and when starting from '00:68:36', attach the lower case 'p'.
 Example 1) If the MAC Address of SCC-C6475 is 00:00:f0:ff:fe:42, DDNS address = c + ffe42 + websamsung.net = cffe42.websamsung.net
 Example 2) If the MAC Address of SCC-C6475 is 00:16:6c:ff:fe:42, DDNS address = m + ffe42 + websamsung.net = mffe42.websamsung.net
 Example 3) If the MAC Address of SCC-C6475 is 00:68:36:ff:fe:42, DDNS address = p + ffe42 + websamsung.net = pffe42.websamsung.net

3) In case of connecting the camera to the xDSL/Cable internet network



- If the user connect the camera to the ADSL/Cable modem directly not using the IP router, assign the network setting in the SCC-C6475(P) IP setup page to ADSL or Cable Modem.
- In the beginning, in order to access the setup page in camera, use the SCC-C6475(P) Cross Lan Cable first, and connect user PC directly.
 RJ-45 Cross Lan Cable will be enclosed with products.



- And assign the user PC's window network setting as following example.

Example) IP: 192.168.1.201

Subnet mask: 255.255.255.0

Gateway: 192.168.1.1

- Execute the IPinstaller.exe in user PC and verify the IP, Subnet Mask and Gateway connected to the SCC-C6475(P).

If the indicated content in the camera list is not the same as follows, fix the setting as the follow Example.

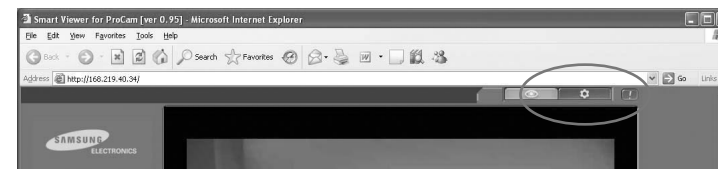
Example) <SCC-C6475(P)>	<User PC>
IP: 192.168.1.200	IP: 192.168.1.201
Subnet mask: 255.255.255.0	Subnet mask: 255.255.255.0
Gateway: 192.168.1.1	Gateway: 192.168.1.1
HTTP Port: 80	

- After completing the IP setting in the IPinstaller, enter the password and click the “Apply” button. And the SCC-C6475(P) will reboot automatically.
 - Password is the root user's log in Password to access the SCC-C6475(P).
 - Password is set as basic value '4321' when it is shipped.
- User access <http://192.168.1.200> by using the PC internet browser.

- Accessing SCC-C6475(P) by using the internet browser, Log In page as follow appears.

- User ID to Log In is set to a basic value 'root' when it was shipped and the password is '4321'.

- Log in at SCC-C6475(P) and the main screen that user can see images appears.
- After checking if the camera image works well, click the setup mode button in the right up side of the main screen.



- Move the SCC-C6475(P) setup mode to the Basic Configuration → IP page.

- Assign IP Type as 'Dynamic IP' in the Connection Configuration item, if the user uses SCC-C6475(P) by connecting the ADSL modem, assign Connection type as 'ADSL Modem'. If the user uses SCC-C6475(P) by connecting the Cable modem, assign the Connection type as 'Cable Modem'.
 - Be aware if the Connection Configuration item is not set properly to the user's network environment, the access cannot be done or the image cannot be appeared smoothly.
- If the user uses SCC-C6475(P) by connecting ADSL Modem, enter the ADSL access ID and Password that ISP has provided in the ADSL Configuration item.
- If the user click the Apply button, the message to terminate the internet browser and reboot the camera will be appeared.

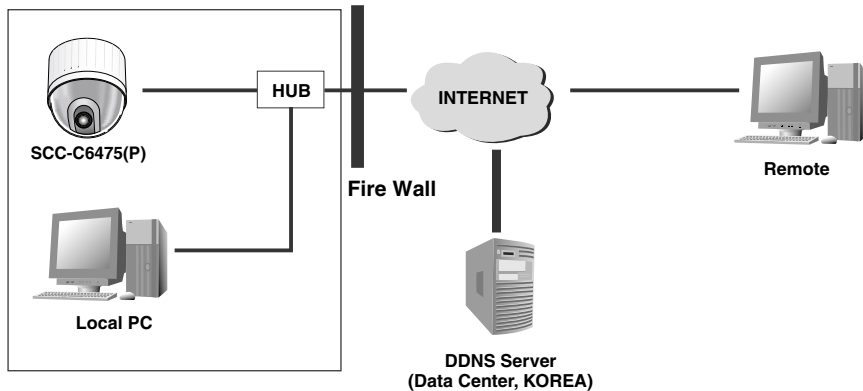
- After powering off the SCC-C6475(P), separate the PC and the camera connected to Cross Ethernet cable, and connect the camera to the network line of ADSL or Cable.
- And then powering on, the camera will operate as ADSL/Cable Modem mode and receive to operate a new IP from the ADSL/Cable ISP.
 - ADSL / Cable modem can be delayed or failed as the ISP condition. In case of this, ON/OFF the modem and wait for about 1 minute after powering off SCC-C6475(P) and then power on again.
- This new ADSL/Cable IP is registered in the DDNS server.
- User can monitor the image to access the camera after entering the DDNS address (Example: cffe42.websamsung.net) in the Remote PC internet browser.
 - Depends on the ISP condition, the ADSL/Cable IP registered in DDNS can be delayed to access, wait for about 1~2 minutes and retry to access if the access fails in the beginning.
- DDNS address consists of a combination of 6 digits from the back of MAC Address of SCC-C6475, a lower case letter 'c', 'm', or 'p', and the domain name which is websamsung.net.
 When 6 digits from the front of MAC Address of SCC-C6475 starts from '00:00:f0', attach the lower case 'c', when starting from '00:16:6c', attach the lower case 'm', and when starting from '00:68:36', attach the lower case 'p'.

 Example 1) If the MAC Address of SCC-C6475 is 00:00:f0:ff:fe:42,
 DDNS address = c + fffe42 + websamsung.net = cffe42.websamsung.net

 Example 2) If the MAC Address of SCC-C6475 is 00:16:6c:ff:fe:42,
 DDNS address = m + fffe42 + websamsung.net = mffe42.websamsung.net

 Example 3) If the MAC Address of SCC-C6475 is 00:68:36:ff:fe:42,
 DDNS address = p + fffe42 + websamsung.net = pffe42.websamsung.net

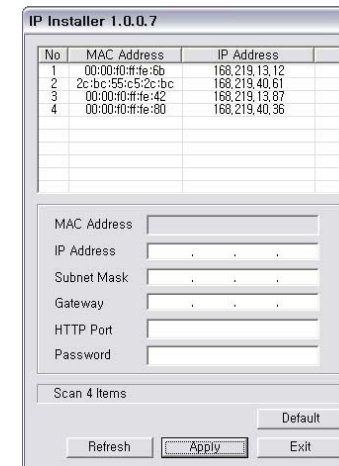
4) In case of connecting the camera in the intranet (LAN)



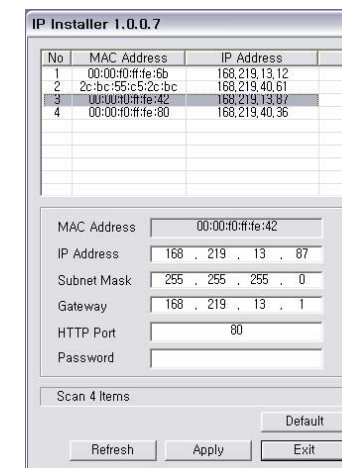
- If the user install to use the camera in the LAN environment such as intranet in companies, assign the camera IP by using the Local PC IPInstaller without any specific setting. In case of this, contact the network manager about IP, Gateway, and Subnet Mask to be used in the camera and set the valid value.
- SCC-C6475(P) is set to operate as Static IP in the LAN environment when it is shipped.
- User can enter the IP of the camera or DDNS address in the Local PC internet browser in the Intranet LAN network and access the camera.
- If you try to access the camera installed in intranet with a Remote PC in the LAN out of network, the access can be failed if the firewall is installed. In case of this, please contact the network manager.

2. Setting the IP

- 1) If you execute the IPInstaller.exe, find the camera connected the inner LAN network as follows and show in the display window.



- 2) Select the desired item and enter the IP and click the Apply button. Enter as follows and click the Apply button; camera will reboot to set as the entered IP. The default value of the HTTP Port is 80. Default password is 4321.



Double click the item in the search list, and it will be connected with the relevant camera through the internet browser.

3. Log In.

- 1) Drive the Internet Explorer and then enter the IP address (Example: <http://192.168.2.75>) of the camera or DDNS address (Example: <http://cff0f54.websamsung.net>) and move, log in screen as follows will be displayed.

Note

DDNS address consists of a combination of 6 digits from the back of MAC Address of SCC-C6475, a lower case letter 'c', 'm', or 'p', and the domain name which is websamsung.net.

When 6 digits from the front of MAC Address of SCC-C6475 starts from '00:00:f0', attach the lower case 'c', when starting from '00:16:6c', attach the lower case 'm', and when starting from '00:68:36', attach the lower case 'p'.

Example 1) If the MAC Address of SCC-C6475 is 00:00:f0:ff:fe:42, DDNS address = c + ffe42 + websamsung.net = cffe42.websamsung.net

Example 2) If the MAC Address of SCC-C6475 is 00:16:6c:ff:fe:42, DDNS address = m + ffe42 + websamsung.net = mffe42.websamsung.net

Example 3) If the MAC Address of SCC-C6475 is 00:68:36:ff:fe:42, DDNS address = p + ffe42 + websamsung.net = pffe42.websamsung.net

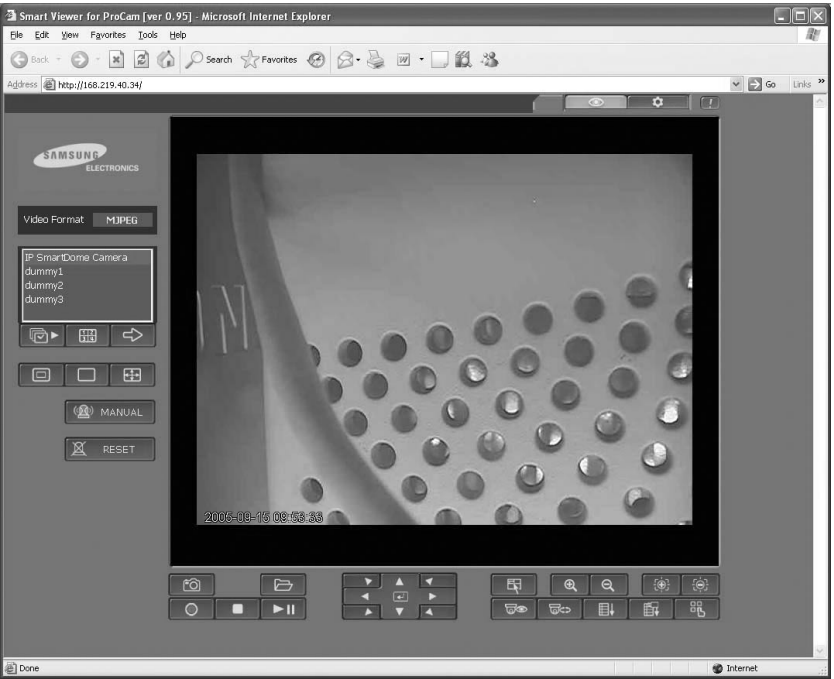
Please log in for connecting to IP Dome Camera

User ID	<input type="text" value="root"/>
Password	<input type="password" value="4321"/>
<input checked="" type="checkbox"/> Save ID	<input type="button" value="Log-In"/> <input type="button" value="Cancel"/>

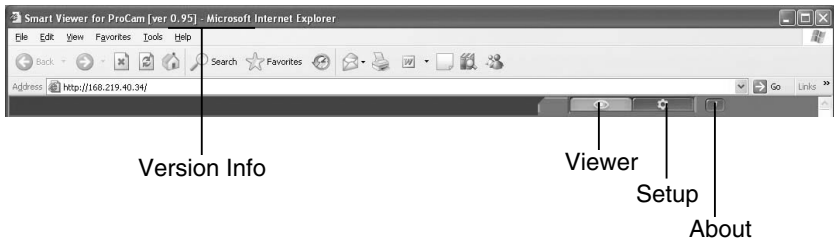
- 2) Enter the User ID (root) and Password (4321) and log in.
The root ID's password of the product shipping, be sure to change for security.

4. Main Screen

Enter the IP address in the Internet Explorer address window and access, Main display window as follow appears.



❖ Title bar and the upper menu



Version Info: Displays the version of Viewer ActiveX Control.

Viewer: Moves to the Main screen.

Setup: Moves to the screen that can be set of the camera function.

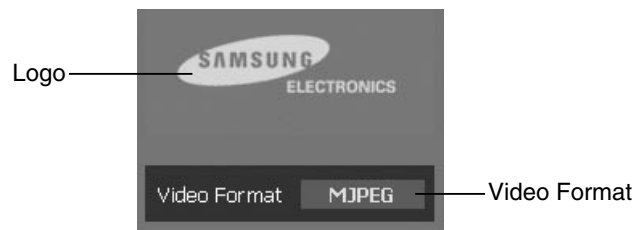
About: Displays the information, version, manufacturer and etc.

❖ Viewer Screen



- Display 704x576(PAL) or 704x480(NTSC), 640x480, 352x288(PAL) or 352x240(NTSC) as resolution.

❖ Logo and Video Format



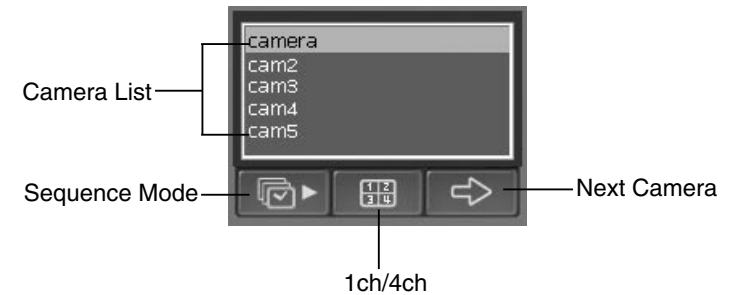
Logo

- Displays the logo image set at the Setup → Layout → ScreenLook.
- Samsung electronics logo is set as the initial state.
- If the logo link is set, click the logo image and the linked address screen will be displayed.

Video Format

- Displays the information of the image format(MJPEG/MPEG4) that is being shown.

❖ Choice of camera and channel



Camera list

- The top item shows the log in camera, and the below items show the added camera item in the Setup → Basic Configuration → Camera.
- The item that has the reversed character is selected by the correspond to the camera that the image is being shown.
- If you choose the other camera in the list, the selected camera image will be displayed.

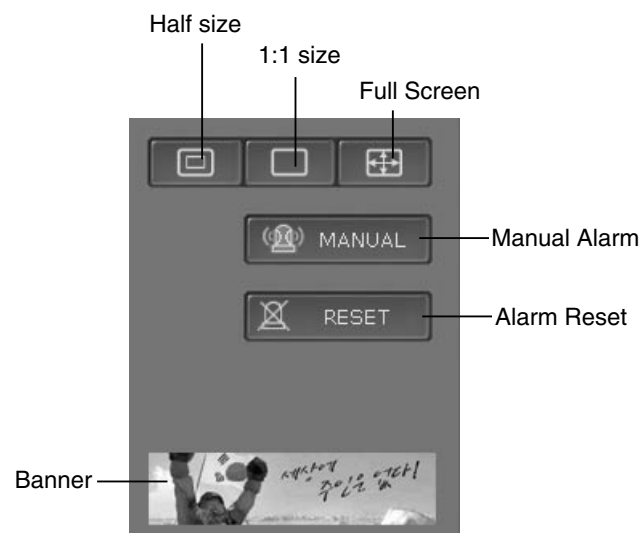
Sequence Mode

- Sequence Mode that is set in the Setup → Basic Configuration → Camera will be executed.
- If the Sequence Mode is being executed, the other buttons in the main page is not-activated and can not be used. (Setup, the image screen adjustment button that has been logged in is usable).
- Stopping the Sequence Mode, the camera that is being shown at the stop
- Sequence Mode function can be executed at both 1ch and 4 ch.

1ch/4ch

- The channel can be changed such as 1ch → 4ch, 4ch → 1ch.
- In case of 4ch, other buttons in the Main page is non-activated and cannot be used. (Sequence Mode, Next Camera, Setup, About is available)
- In case of changing 4ch → 1ch, Log in camera (address window IP camera) will be selected.

❖ Screen Size/Alarm/Banner window display



Half size

- Reduce the image size by half that is being shown.

1:1 size

- Display the image as the original size that is being shown.

Full Screen

- Display the image as the full screen that is being shown.
- Press the ESC key and the Full screen turns to 1:1 size.

MANUAL

- The button will be activated if the setting (FTP/SMTP send setting, Alarm Setup setting) about the manual alarm is completed.
- Press the Manual button, and send the alarm image according to the set matter.
- Alarm image sending is available only in MJPEG mode.

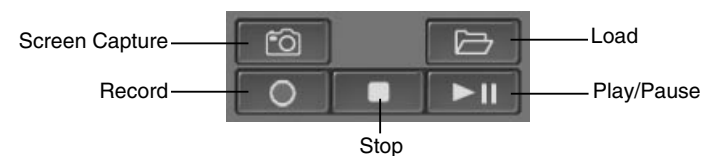
RESET

- Cancel the camera location, alarm OUT (buzzer, alarm light) that has been changed because of alarming.
- The sending image by the alarming will be canceled automatically after completing the sending.

Banner display

- The set banner image will be displayed in the Setup → Layout → ScreenLook.
- The banner display is not set in the beginning shipment state.
- If the banner link is set, click the banner image and the linked address screen will be displayed.

❖ Screencapture/record/play



Screen Capture

- Save the image that is being shown with JPEG or BMP format.
 - Saving route: C:\Program Files\Samsung\Smart Viewer for ProCam\Capture(saving route or file format can be changed in Setup → Basic → Video)
 - File name: yy/mm/dd_hh/mm/ss_camera name.bmp (Example: 20050317_144605_IP SmartDome Camera.bmp)
- Click the button and the saved information will be displayed in the screen.

Record

- Save the video image to the 'cam' format that is being shown.
 - Save route: C:\Program Files\Samsung\Smart Viewer for ProCam\VideoClip
 - File name: yy/mm/dd_hh/mm/ss_camera name.cam
- Click the button and → 'REC' will be displayed at the upper right of the screen.
- Press the "Stop" and the record will be stopped.
- Only the functions related Alarm and PTZ and Setup, About functions are available.

Note - Can save up to 10 minutes per one time.
 - Hard disk operates only when the available capacity is over 5 giga.

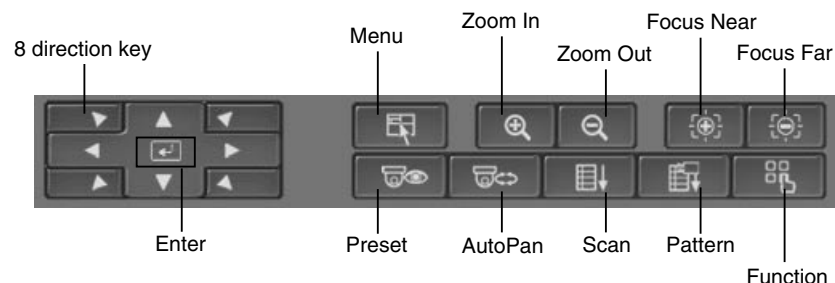
Load

- Press the Load button and call the saved image file and the file name will be displayed at the left upper side in the screen.

Play/Pause

- Press Play/Pause button and the image will be played and press this button while playing, the image will be paused. Press the button again and the image will be played from the stopped scene.
- Press Stop button and the image will be stopped and Log in camera image will be displayed.
- If the file size is too big, the Load time will take long.

❖ Image screen adjustment.



8 direction key

- It moves the screen position to directions including UP, DOWN, LEFT, and RIGHT.
- Press the button to move the screen, remove the button to stop.

Enter

- Enter function will be operated when Menu on mode.

Menu

- Press the button, the main screen will be displayed.

Zoom In/Out

- Press the button and zoom function works, remove the button and zoom function stops.

Focus Near/Far

- Focusing while pressing the button and stopped when removing.
- This function works only in Manual Focus state.

Preset

- Move the selected Preset item.
- Click the 'Refresh' button in the window that is appeared when pressing the button, and it will display the latest Preset information set in the camera.

AutoPan

- Execute the selected AutoPan item.
- Unable to use Preset, Scan, Pattern, Function while executing.
- Stop executing if the user click the other control button.
- Click the 'Refresh' button in the window that is appeared when pressing the button, and it will display the latest Autopan information set in the camera.

Scan

- Execute the selected Scan item.
- Unable to use Preset, AutoPan, Pattern, Function while executing.
- Stop executing if the user click the other control button.
- Click the 'Refresh' button in the window that is appeared when pressing the button, and it will display the latest Scan information set in the camera.

Pattern

- Execute the selected Pattern item.
- Unable to use Preset, AutoPan, Scan, Function while executing.
- Stop executing if the user click the other control button.
- Click the 'Refresh' button in the window that is appeared when pressing the button, and it will display the latest Pattern information set in the camera.

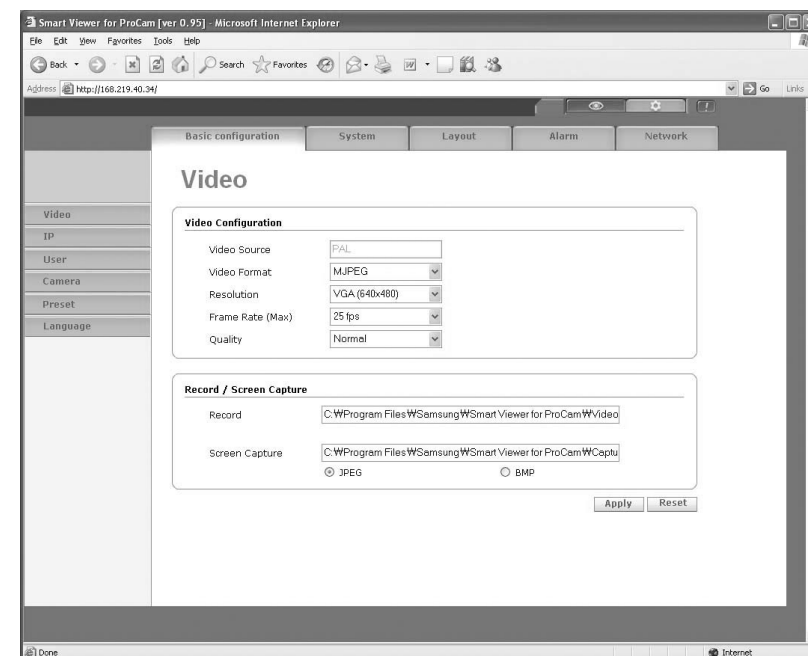
Function

- Execute the selected Scan item.
- Unable to use Preset, AutoPan, Scan, Pattern while executing.

5. Setting and Changing the function

❖ Setting the basic function

Video

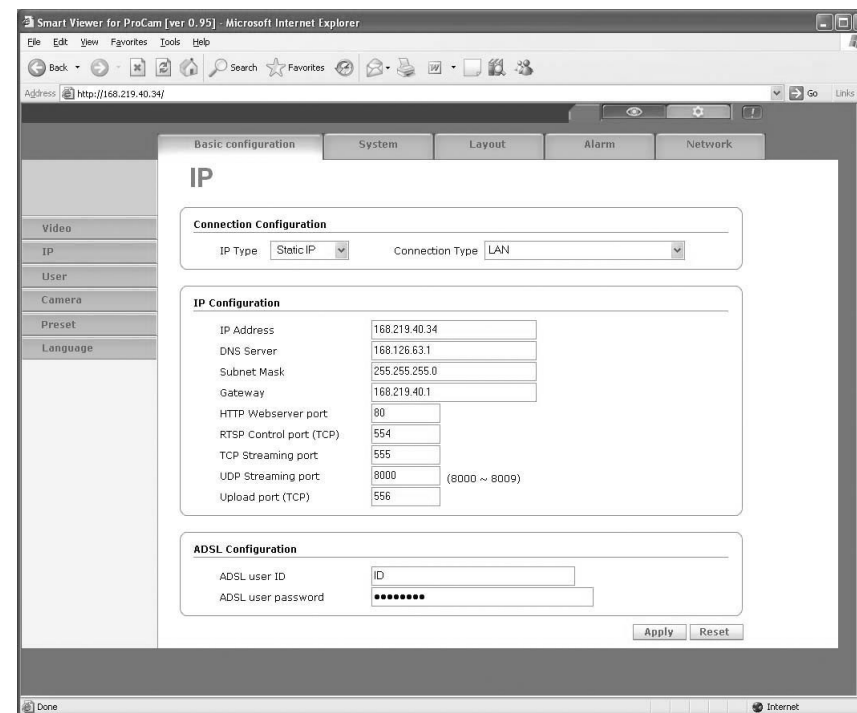


- Video Source : NTSC / PAL(Display the entered image of Camera.)
- Video Format : Support MJPEG / MPEG4
- Resolution
 - 4CIF (NTSC: 704x480, PAL: 704x576)
 - VGA (640x480)
 - CIF (NTSC: 352x240, PAL: 352x288)
- Frame Rate
 - CIF: Support up to 30 frames.
 - 4CIF / VGA: Support up to 25 frames.
 - Frame phase: 30fps(25fps) / 15fps / 5fps / 1fps
- Quality : Able to select 5 phase (Very High / High / Normal / Low / Very Low) of picture.
- Record
Enter the route to save.
- Screen Capture
Enter the route to capture the screen. (Select the format to save: JPEG, BMP)

Note

- When changing the Resolution, Codec, reboot the encoder so it will take time to display the image.
- Frame rate is subjected to adjust by the number of access, network environment; the frame rate can be less than the user set the frame rate.

IP



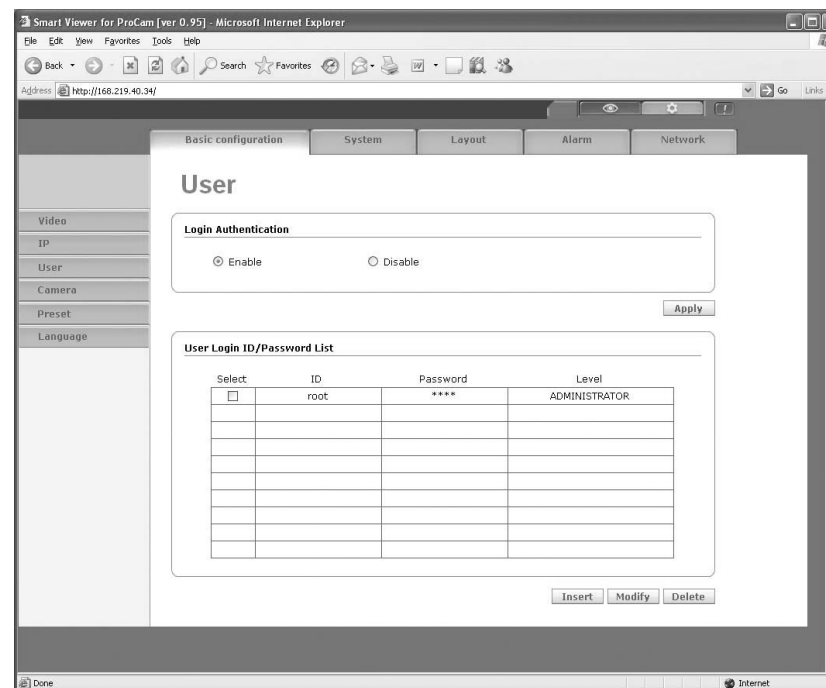
- Setting the connection
Select the setting value according to the user's network environment camera installed.
If the setting is different with the actual installed network environment, the image cannot display smoothly.

<Select setting according to the network environment>

1. If the camera is installed over the internet using Static IP
 - Select IP Type as Static IP.
 - If the camera is installed over LAN using static IP, select the connection type as LAN.
 - If the camera is installed directly over the ADSL modem using static IP, select connection type as ADSL Modem.
 - If the camera is connected to the static IP through IP router, select IP Router + LAN or IP Router +ADSL/Cable.

2. If the camera is installed over the internet assigned to Dynamic IP
 - Select IP Type as Dynamic IP.
 - If the camera is installed directly over the ADSL modem, select connection type as ADSL Modem or Cable Modem.
(In case of this, be sure to set the ADSL connection ID and Password).
 - If the camera is connected to the IP router and assigned to dynamic IP, select IP Router (using DHCP) + LAN or IP Router (using DHCP)+ ADSL/ Cable.
 - If the camera is assigned to IP from the internal network DHCP server, select connection type as DHCP server.
- Enter the adequate network setting value according to the connection type.
- After applying for setting, check the network cable connection and reaccess the camera.
- After changing Dynamic IP setting, power off the camera and connect the network cable operating dynamic IP. (In case of this, if they use ADSL or Cable modem, power off the modem and power it on, and then reconnect the camera power.)

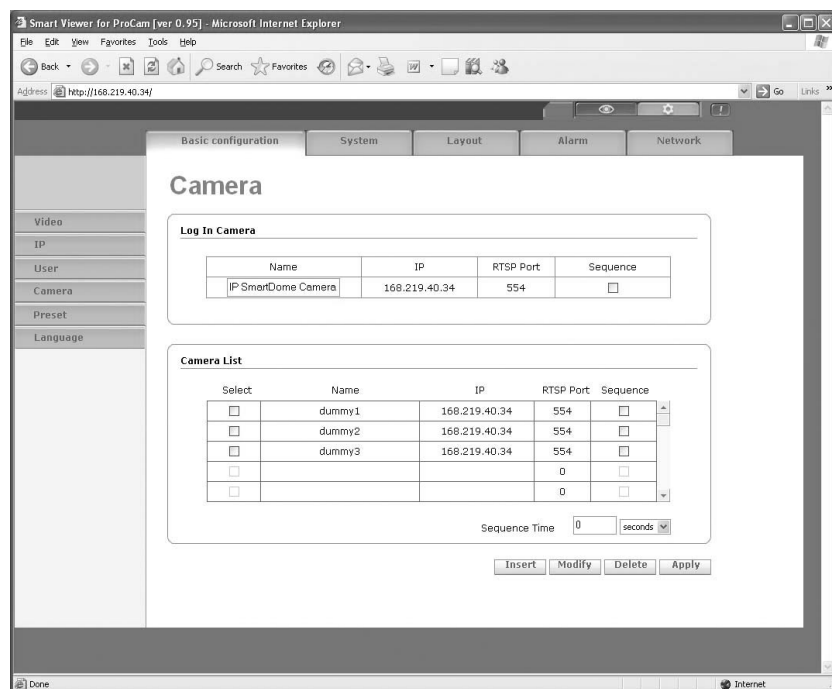
User



- Setting Login Authentication as disable, able to access without login process. But in case of this, information about connector doesn't display. The user who accesses as non-authentication is authorized by User.
- Use authority
 - Administrator: Manager who is able to use every function. (Able to setup).
 - Operator: Able to use every function except setup.
 - User: Able to simple monitor.
- Guest
 - ID in the log in window: guest Password: User who entered guest to access.
 - Same authority as User.
- Register User ID, Password

At most 10 people will be possible.
Unable to delete, add Administrator. Default ID is set as root, only password is changeable.
In case of correcting or deleting, select the ID select box desired to change.
ID, Password is available only English, numeric, special character(Some characters are excepted.) available at most 19 character.

Camera



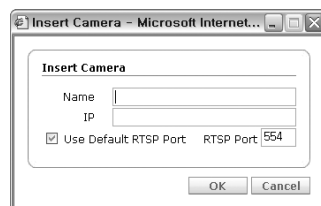
Log In Camera

Display the information about Log In camera and able to set the camera name and Sequence.

Camera List

Display the camera list that the user added and able to add up to 30 external camera.

Insert / Modify



- Able to add or modify the camera.
- After checking the several camera in the camera list and press the Modify button, able to modify the camera that has selected first.

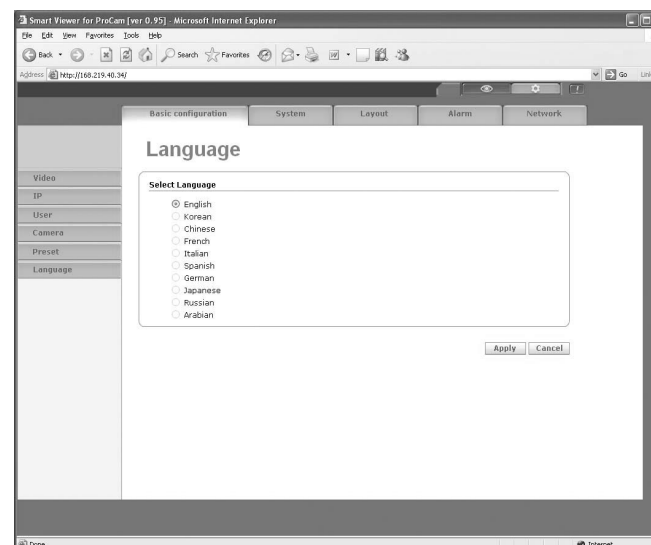
Delete

Able to check various cameras list and delete them.

Apply

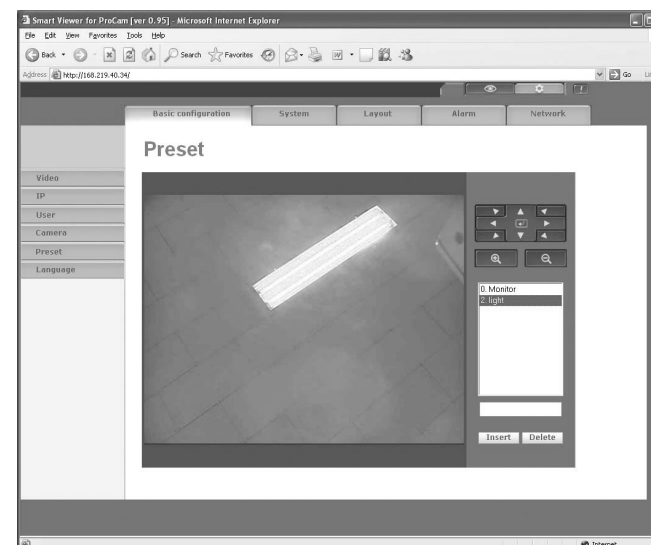
Save Log In Camera name and Sequence Mode setting value.

Language



- Support only English for the initial model.

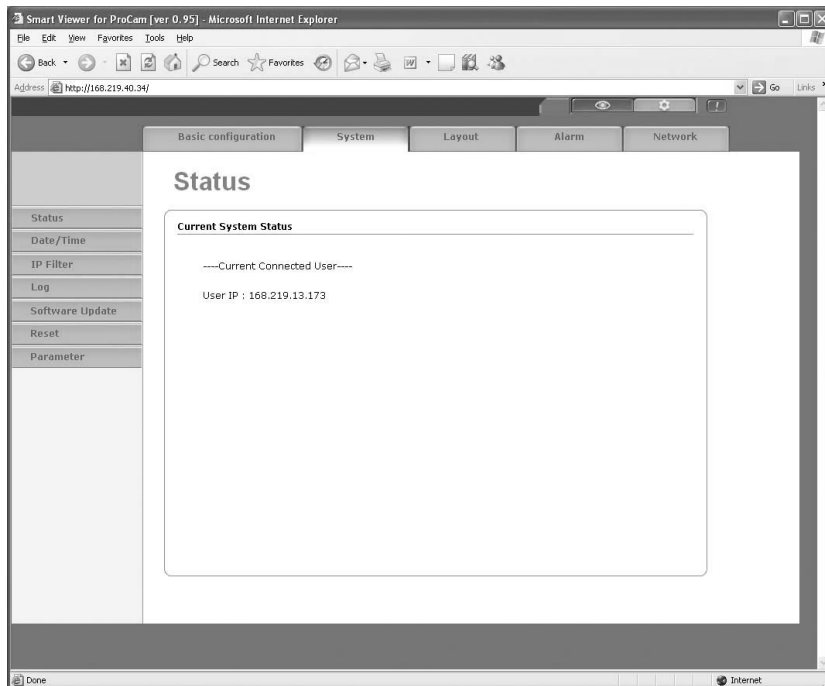
Preset



- list : Display the preset item that is currently set.
 - Insert : Set preset as the name that has been input the current position.
 - Delete : Delete the selected preset item.
- Able to input up to 20 preset items.

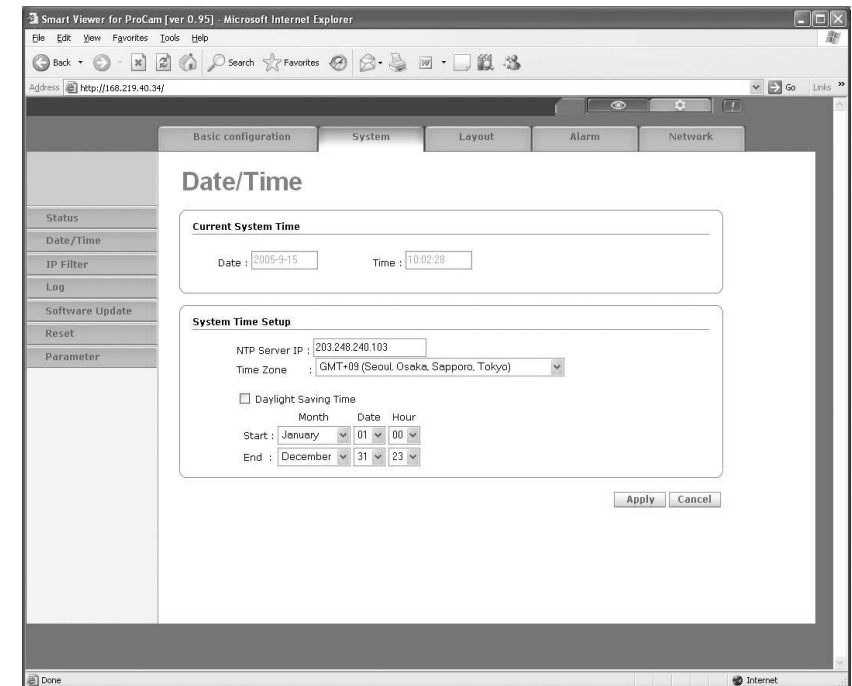
❖ Setting the system

Status



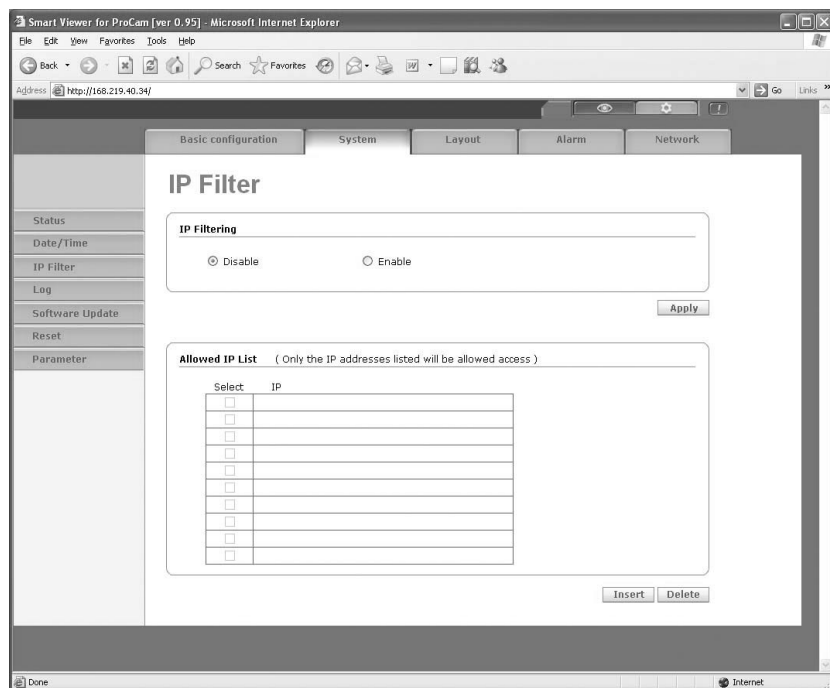
- Display the user IP accessing the system.
 - This page maintains the recent information to refresh every 5-second.

Date/Time



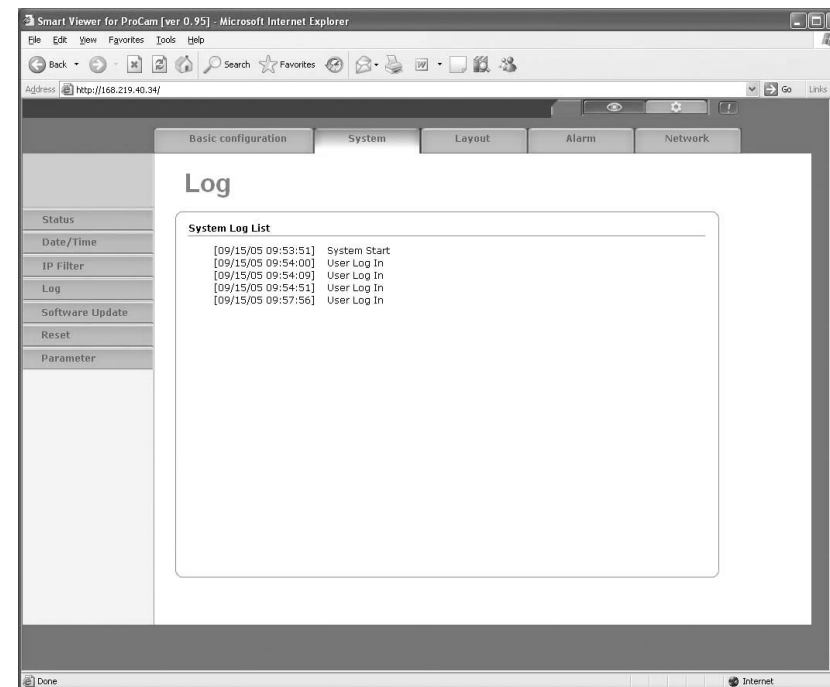
- Able to set the current system time by receiving it from the NTP server
- Time
 - Set the time synchronous with NTP (time server)
User should input the NTP server IP.
(KT NTP server IP is input basically.)
Set the time zone according to the user's location.
Check the check box and input the start time, date and end time, date to apply summer time.
 - Unable to connect NTP server in case of using Local network.

IP Filter



- Setting the IP Filtering as Enable, Only registered user in the IP list can access.
- Up to 10 IP can be input in the accessible IP list.

Log

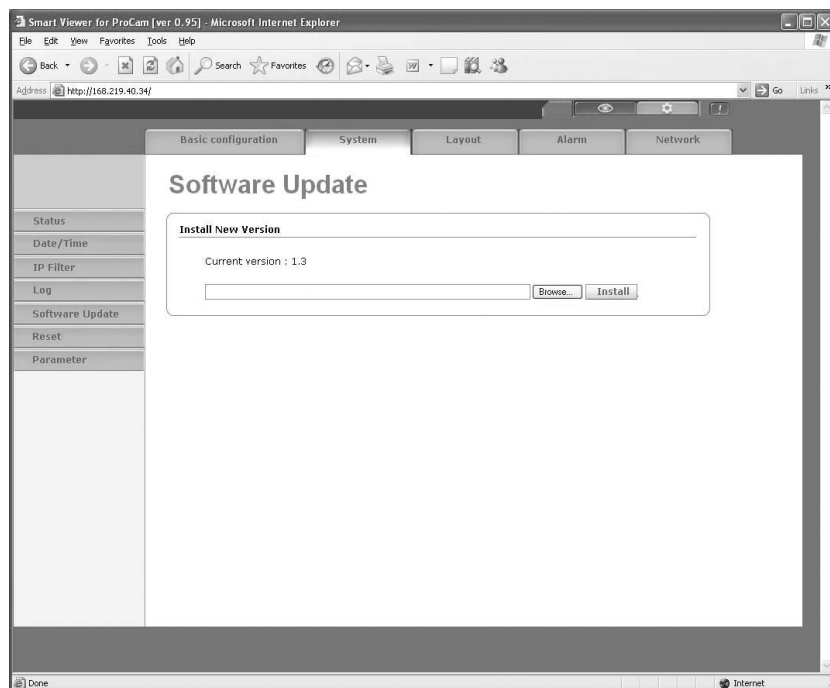


- Display the log information recorded the system modifying events with time.
- log specifics : User Log In / Video Configuration Change / System Time Change etc.

Note - Log information will be Initialized if the set reboots.

- Displays Log information only when the system time is set.

Software Update

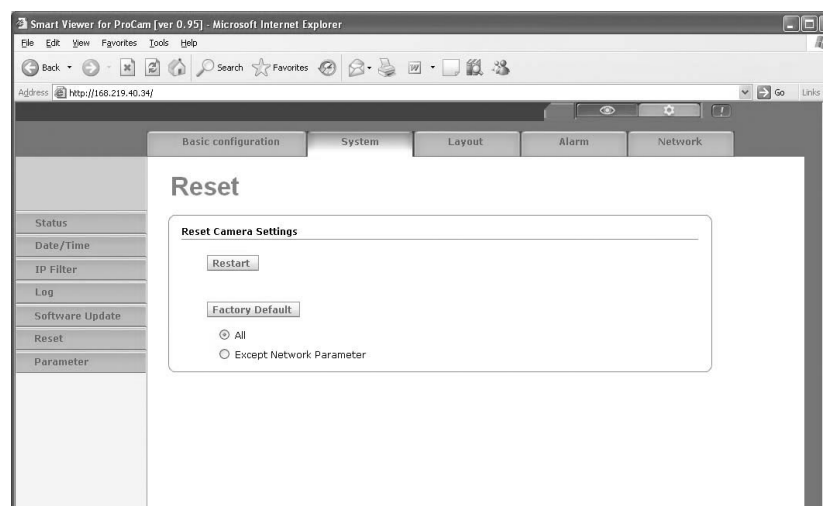


- Update the network related system software.
- Procedure
 - 1) Select the distributed file for updating SCC-C6475(P).
 - File name is provided as a format of SCC-C6475(P)-V1.1-20050531.tgz.
 - Software update supports only the update file that has the certain file name.
 Do not modify the rest of the file name except the date part (20050531).
 - 2) Click the (**Install**) button and the system software will be updated as the selected file.
 - Select the 'confirm', decompress the file and start the system update.
 - Select 'Cancel' to cancel the update.

Warning

1. Be aware that in case of stopping the network, powering off the system, having a problem in client PC, the system cannot operate.
2. It takes several tens of minutes for Software Update.
3. Completing Software Update, the system will restart automatically. The current connection is disconnected therefore access it again.

Reset



- Press **Restart** and the window as bellows appears, and press the confirm button and the system restarts.



Warning

1. Reaccess after Restarting because the user access does not maintain.
2. It takes several minutes to complete system booting. Before completing system booting, the access is not completed.

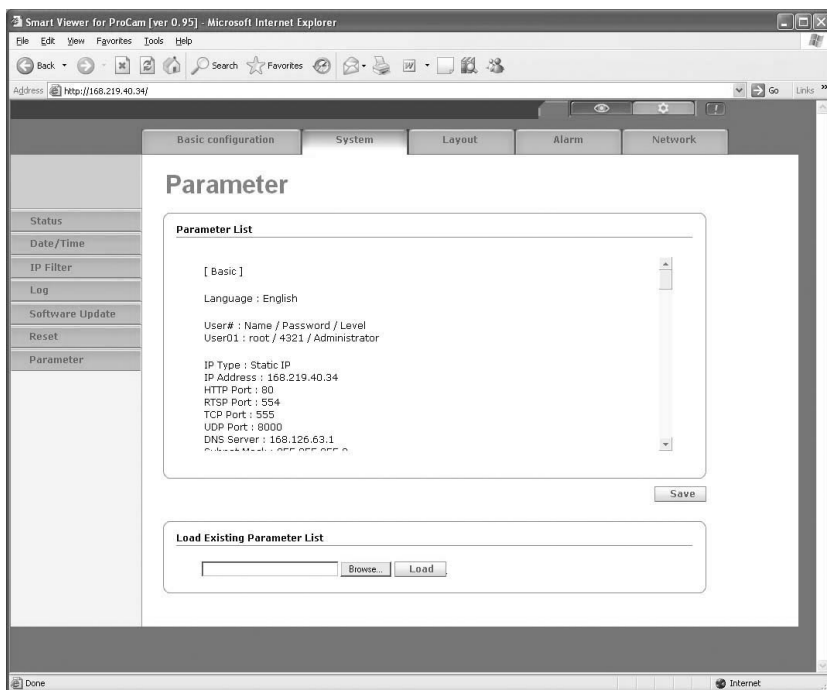
- **Factory Default** : Recover the whole setting as the initial default.
 - **All** : Recover the whole setting as the initial default.

Warning After implementing, execute the basic network setting (IP, Subnet mask, Gateway etc) using IP installer and it will be accessible.
 - **Except Network Parameter**: Recover the whole settings as the initial default except network settings.

Warning

 1. If the Factory Default is executed, the system will be restarted.
 2. It will take several minutes to complete the system booting. It is unable to connect before the system booting completes.

Parameter



- Manages the current setting of the system (List, Save, Load).

Save : Compress the current setting of the system as cfg.tar and save it in client PC.

Warning The route to save is C:\Program Files\Samsung\Smart Viewer for ProCam\Download\cfg.tar

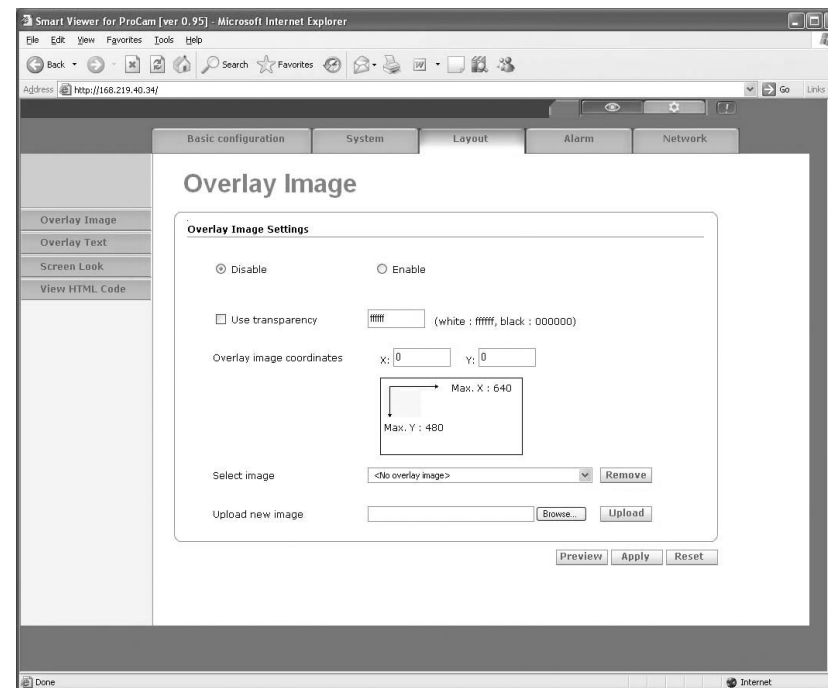
Load : Load and apply the saved setting file in client PC (cfg.tar) to the system.

Warning

- The system may malfunction in case that the user edit the cfg.tar saved from system randomly and load it to the system.
- It takes several tens of second to complete Parameter Load.
- When executing Parameter Load, network setting will be exceptional.

Layout

Overlay Image



- Display the specific image that user chose (company logo etc..) on the main screen with camera image.
 - Menu function by item.
 - Disable/Enable
 - Select the Enable radio button to set Overlay image as the main image.
 - Use transparency
 - Select the Use transparency in check box to set the transparent color of Overlay image.
 - Enter transparent color as ffffff and the white part of Overlay image will be appeared transparently.
- Example) Red: ff0000
 Green: 00ff00
 Blue: 0000ff
 Yellow: ffff00
 Gray: 888888

3) Overlay image coordinate

- Adjust the image location by setting the adequate value.

4) Select image

- Select the overlay image desired to use.
- Click the “Remove” button and the selected image will be deleted.

5) Upload new image

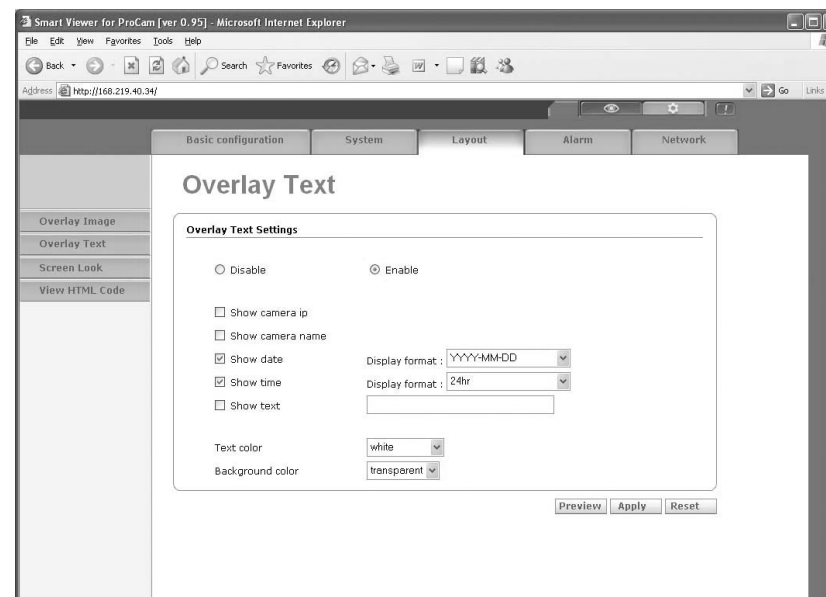
- Click the “Search” button and select the overlay image desired to use and then click the **Upload** button, and the related file can be uploaded.
- Click the “Confirm” and the image file in the user’s local PC will be uploaded.
Completing upload and the complete message will be appeared and the uploaded image will be added in the Select image list.

6) Click the **Preview** button to preview the current setting.

● Others

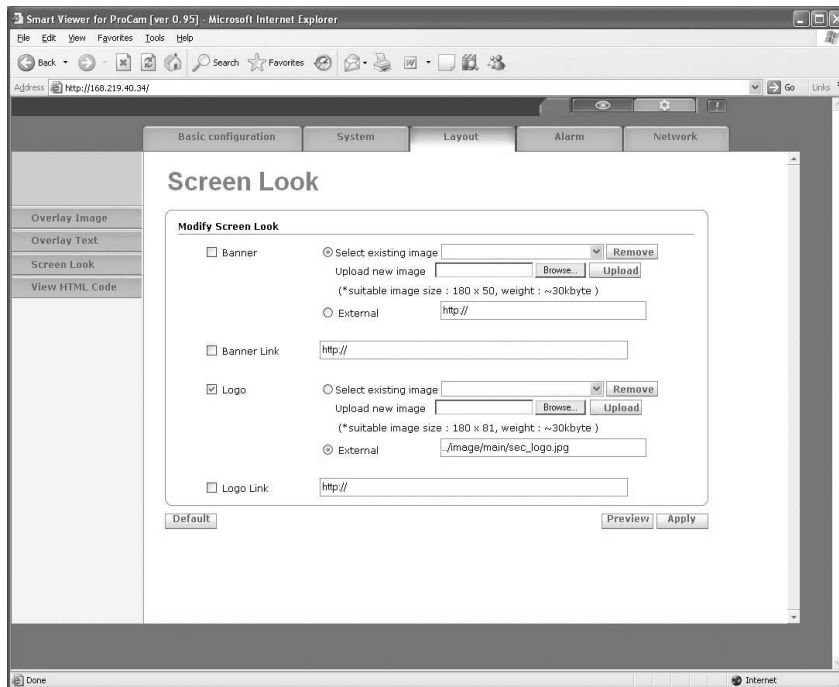
- 1) Overlay image supports only bitmap (*.bmp) file format.
- 2) The maximum size of the image file is limited 30 KB.
- 3) The Overlay image capable of uploading is limited up to 5.

Overlay Text



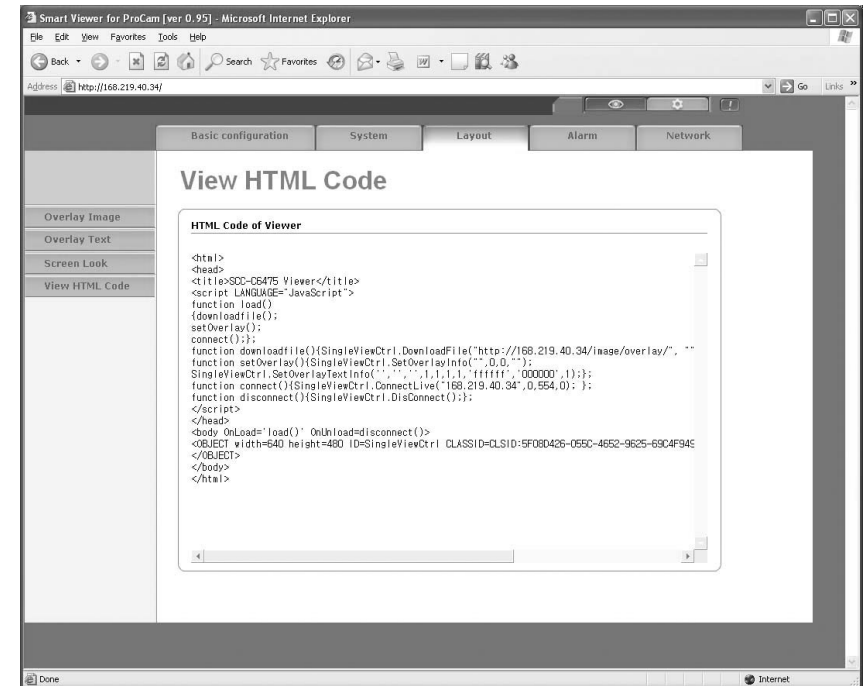
- Displays the camera image in the main screen with the text that the user set.
- Menu functions by item
 - 1) Disable/Enable
 - Select the Enable radio button to set the Overlay text in the main screen.
 - 2) Show camera ip
 - Select the check box to display the camera ip in the screen.
 - 3) Show camera name
 - Select the check box to display the camera name in the screen.
 - 4) Show date
 - Select the check box to display the current date in the screen.
 - Support 3 types to display the date-format.
(YYYY-MM..D/MM-DD-YYYY/DD-MM-YYYY)
 - 5) Show time
 - Select the check box to display the current time in the screen.
(Displays the user PC’s current time when setting.)
 - Supports 2 types to display the time-format.(24 hr/12 hr)
 - 6) Show text
 - Input the text and select the check box to display the user-defined text in the screen.
 - 7) Text color
 - Defines the text color. (White/black)
 - 8) Background color
 - Defines the text background color. (white/black/transparent)
 - 9) Able to preview for the current setting to click the **preview** button.

Screen Look



- **Banner**
Select the image to use Banner in 'Select existing image' or type url in 'External' and check the Banner check box
- **Banner Link**
Type the url to use for Banner Link and check the Banner Link check box.
- **Logo**
Select the Image to use Logo in 'Select existing image' or type url in 'External' and check the Logo check box.
- **Logo Link**
Type url to use for Logo Link and check the Logo Link check box.

View HTML Code



- **HTML Code of Viewer**
 - Displays the HTML Code that applies the set item (Overlay Image, Overlay Text) to the current Viewer.
 - Able to see the image in the web page if the user copy this code and use this for the other web page.
 - Image size can be adjusted by changing width, height in the above code.

Alarm

Transfer Setup

Smart Viewer for ProCam [ver 1.5] - Microsoft Internet Explorer

Address: http://10.88.80.21/

Basic configuration System Layout Alarm Network

Transfer Setup

Transfer Setup Alarm Setup I/O Port

Transfer Image Setup

Image File Name: AlarmImage.jpg

Included Information: ☒ Event Name ☒ Date/Time

Transfer Mode Setup

☐ FTP Transfer ☒ Use Passive Mode

FTP Server Address:

Upload Path:

Port: 21

User ID:

Password:

☒ E-mail(SMTP) Transfer

SMTP Server Address:

User ID:

Password:

Sender Address:

E-mail Receive Address:

E-mail Title:

E-mail Message:

- Set SMTP, FTP to transfer the image in alarming.
- Transfer Image Setup
 - Set the image file name to transfer. (Max. 16 characters)
 - Able to add alarm event name, time information to the file name as a value-added information.
 - Ex) AlarmImage_[INPUT]_[20050317_093715]_[pre5].jpg
- Transfer Mode Setup
 1. FTP Transfer
 - Passive Mode: Use this mode if necessary to access as a Passive mode because of using firewall or setting FTP server.
 - Enter available FTP server IP to transfer the alarm image.
 - Upload Path can be transferred to the top directory of the FTP server account unless setting or user can transfer by entering the specific directory route.
 - "/directory name" or "directory name" would be OK for the route setting.
 - FTP server port is set for 21 basically and is changeable for the user server setting.
 - Enter the ID and Password to access the FTP server.

2. E-mail Transfer

- Enter the E-mail server address.
- Enter the ID and password to access to the E-mail
- Enter the E-mail address of sender
- Enter the E-mail address to receive the alarm e-mail.
- Enter the title and simple contents.

Apply: If the setup is applied, the camera performs the FTP, SMTP image transfer test by itself. If the test fails, an error message is displayed. (Server connection error, Login error, etc.)

Alarm Setup

Smart Viewer for ProCam [ver 0.95] - Microsoft Internet Explorer

Address: http://168.219.40.34/

Basic configuration System Layout Alarm Network

Alarm Setup

Transfer Setup Alarm Setup I/O Port

Transfer Alarm Image

☐ Enable ☒ Disable

Select Alarm Event for Transferring Image

☒ Input port ☐ Manual Alarm ☐ Schedule

Pre/Post Alarm Setup

Number of Image: 1 (images per second)

☒ Pre-Alarm Duration: 30 (sec)

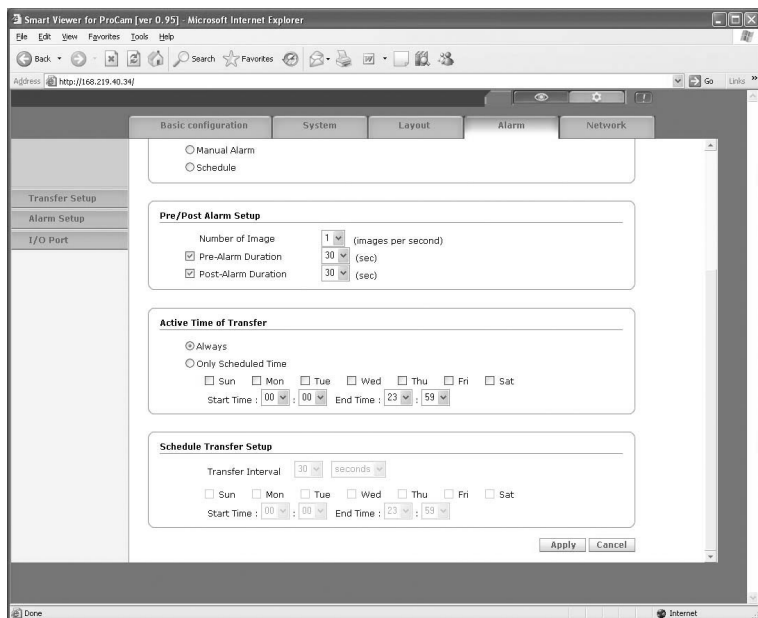
☒ Post-Alarm Duration: 30 (sec)

Active Time of Transfer

☒ Always ☐ Only Scheduled Time

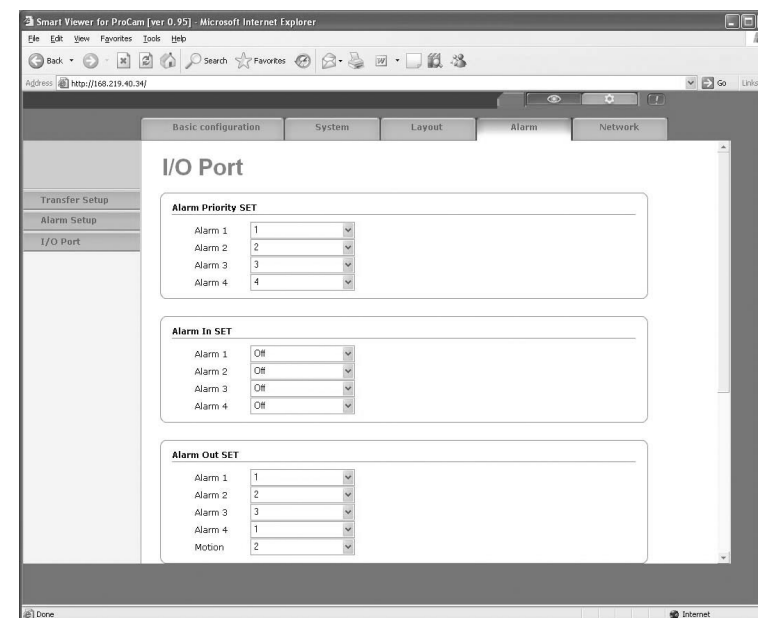
☐ Sun ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat

- Enable the Transfer Alarm Image, transfer the alarm image according to the set value when alarming.
- Able to select alarm event to transfer the image.
 - Input port – Transfers the image for the alarm through the camera Input port
 - Manual – Transfers the image when the user click the Manual button in the Main screen directly.
 - Schedule – Transfers the image automatically according to the schedule that the user had set.
- Pre/Post Alarm Setup
 - Able to set the image pages to transfer per second. (1~5 pages)
 - Pre Alarm – Able to transfer the image up to 30 seconds before when the alarm begins. (Maximum seconds can be changed up to the transfer image pages per second).
 - Post Alarm – Able to transfer the image up to 30 seconds after when the alarm begins. (Maximum seconds can be changed up to the transfer image pages per second).



- Active Time of Transfer
 - Able to set the time limit for the alarm image transfer.
 - In case of setting Always, image will be transferred whenever alarming.
 - In case of setting Only Scheduled Time, image will be transferred only the defined date and time for the related alarm even when alarming.
- Schedule Transfer Setup
 - Transfer the image at the date and time automatically when the user defines.

I/O Port



Consists of 4 Alarm inputs and 3 Alarm outputs and functions to execute connecting Preset or Pattern to detect the Alarm input from the external Sensor, and output the Alarm output signal from the outside. If the Alarm signal input lasts over 150 ms, it will be recognized as the Alarm signal. And the Alarm operation time depends on the Preset Dwell Time to each Alarm and the Pattern connection of it.

1. ALARM PRIORITY SET

Set the priority of the 4 Alarm inputs and react the Alarm input according to the priority.

Default priority is Alarm1: 1, Alarm2: 2, Alarm3: 3, Alarm4: 4

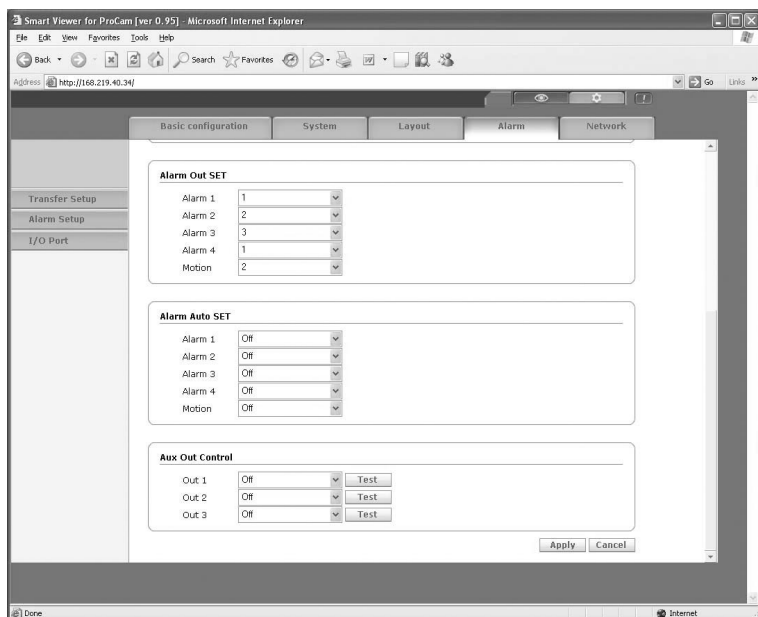
If alarming synchronously and setting the same priority, operates by the Default priority. While alarming, Motion is not detected.

2. ALARM IN SET

Set the input Type as "NO" (Normal Open), "NC" (Normal Close), "Off" according to the connected Sensor features.

3. ALARM OUT SET

Confront to one of the 3 Alarm outputs for each Alarm inputs



4. ALARM AUTO SET

Setting to execute the Pattern functions or not when Alarm inputs. When Alarming, stays at the Preset location while Dwell Time set as Preset confront to each Alarm and the Alarm connected to the Pattern will execute the Pattern function continuously.

If Alarm is input, Alarm1 input confronts to Preset1

Alarm2 input confronts to Preset2

Alarm3 input confronts to Preset3

Alarm4 input confronts to Preset4

Motion input confronts to Preset5 and operate.

Off in the setting Menu doesn't execute Pattern, it means 1 → Pattern1, 2 → Pattern2, 3 → Pattern3, Half1 → Pattern1 + Pattern2 serial operation, Half2 → Pattern2 + Pattern3 serial operation, Full → Pattern1 + Pattern2 + Pattern3 serial operation, Scan 1 · 2 · 3 · 4 execution.

5. AUX OUT CONTROL

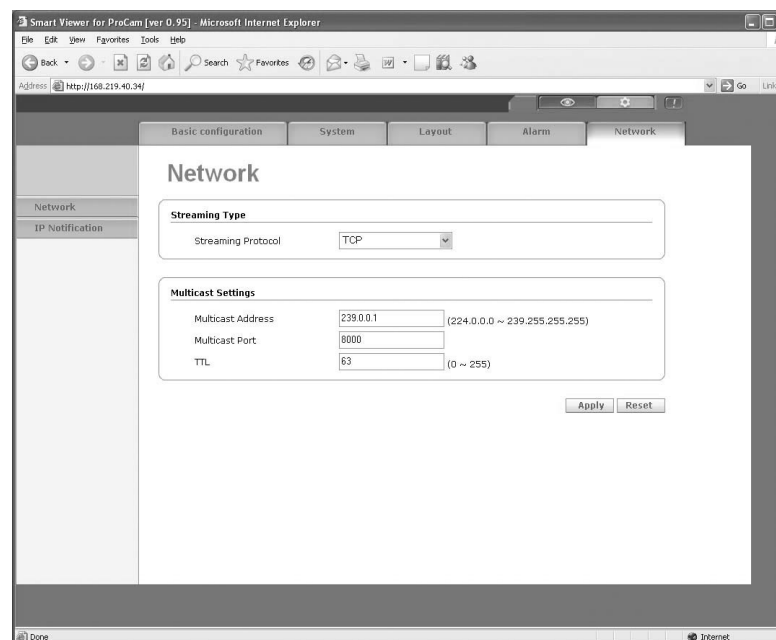
Set if the set Alarm output keep operating regardless of Alarming or operate only when Alarming. If set Off, Alarm Out will operate only when Alarming (Active "Low"), if set On, always Alarm output operates regardless of Alarm. To test each Alarm output function, able to check to press Test button.

6. Apply

Completing all the setting, press the Apply button and save the modified contents in the Camera.

Network

Network



- Streaming Type
 - Sets the streaming type.
 - Able to select 3 kinds of streaming type (RTP(UDP)-Unicast / RTP(UDP)-Multicast / TCP).
- Multicast Settings
 - Sets the Multicast address, Multicast port and TTL.

Note

1. RTP (Real Time Streaming Protocol): International standard protocol to transfer the multimedia data such as voice or image in a high speed by using the UDP
2. TCP: Protocol used in a normal network environment that needs transmission reliability. Connection structure that is always connected to the receiver so the reliability about transmission is high, but it is limited to transfer the massive data in real time with a high speed.

* In case of SCC-C6475(P), if the user set the ADSL mode as a connection type, (the data is) transferred by TCP type automatically.

3. UDP: Network protocol to transfer the massive data such as multimedia data with a high speed. Non-connection structure so the reliability about the transmission loss is low but transmission efficiency in a high speed LAN environment over 100M is higher than TCP's.

- Unicast type: Transmission type that transfers and receives by one to one.

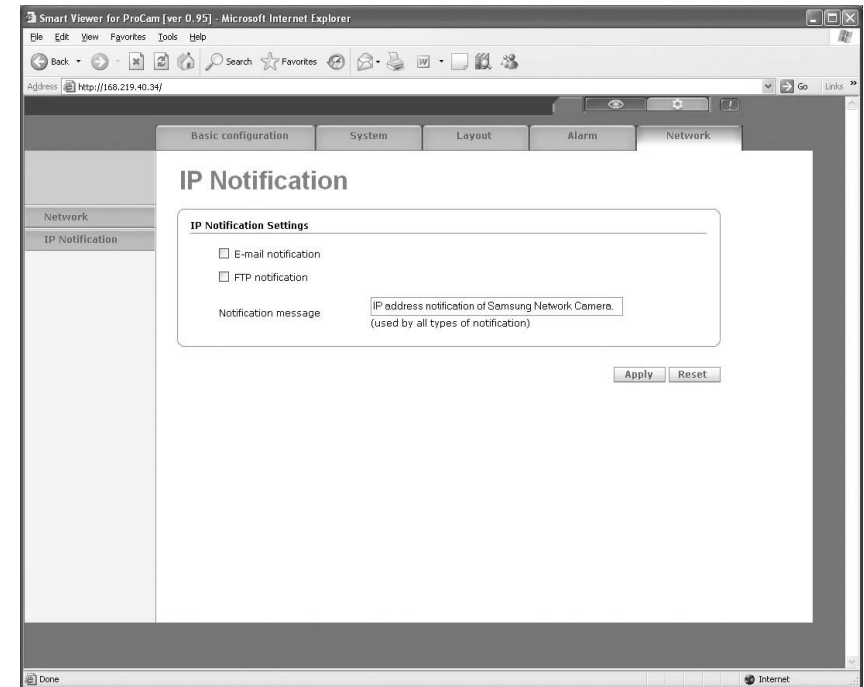
- Multicast type: Transmission type that transfers and receives by one to N, the network load for receivers becomes lower but operates only in the network environment that uses Multicast support router.

* Multicast address is available for the range from 224.0.0.0 to 239.255.255.255.

* TTL is the abbreviation for Time To Live, setting how many steps take to deliver the packets without loss to the router. Router will reduce the TTL value one by one whenever it passes packet, after all when TTL reaches 0, it cannot pass the router.

* Contact the network manager if the network environment installed SCC-C6475(P) supports multicast and other multicast setting details.

IP Notification



- Notifies the set IP in the system with email or FTP.
- Menu functions by item
 - 1) E-mail notification
 - Transfers the ip notification by SMTP.
 - 2) FTP notification
 - Transfers the ip notification by FTP
 - Transfers the IP notification by text file.
 - 3) Notification message
 - Able to add the input message by user to the notification.
- Others
 - 1) IP notification operates if the network access mode is dynamic ip.
 - 2) In order to IP notification operates normally, FTP/SMTP should be set in Alarm → Transfer Setup

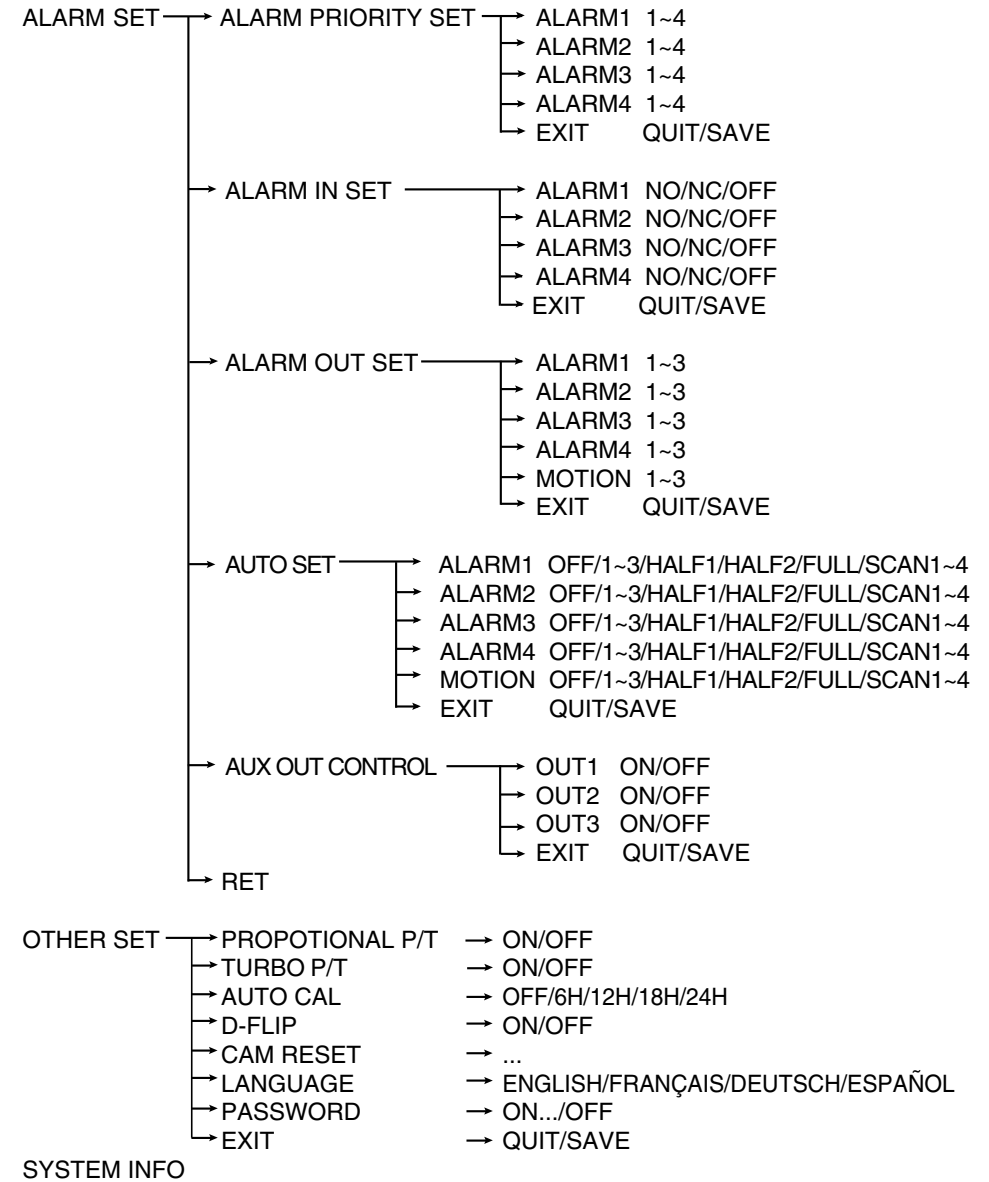
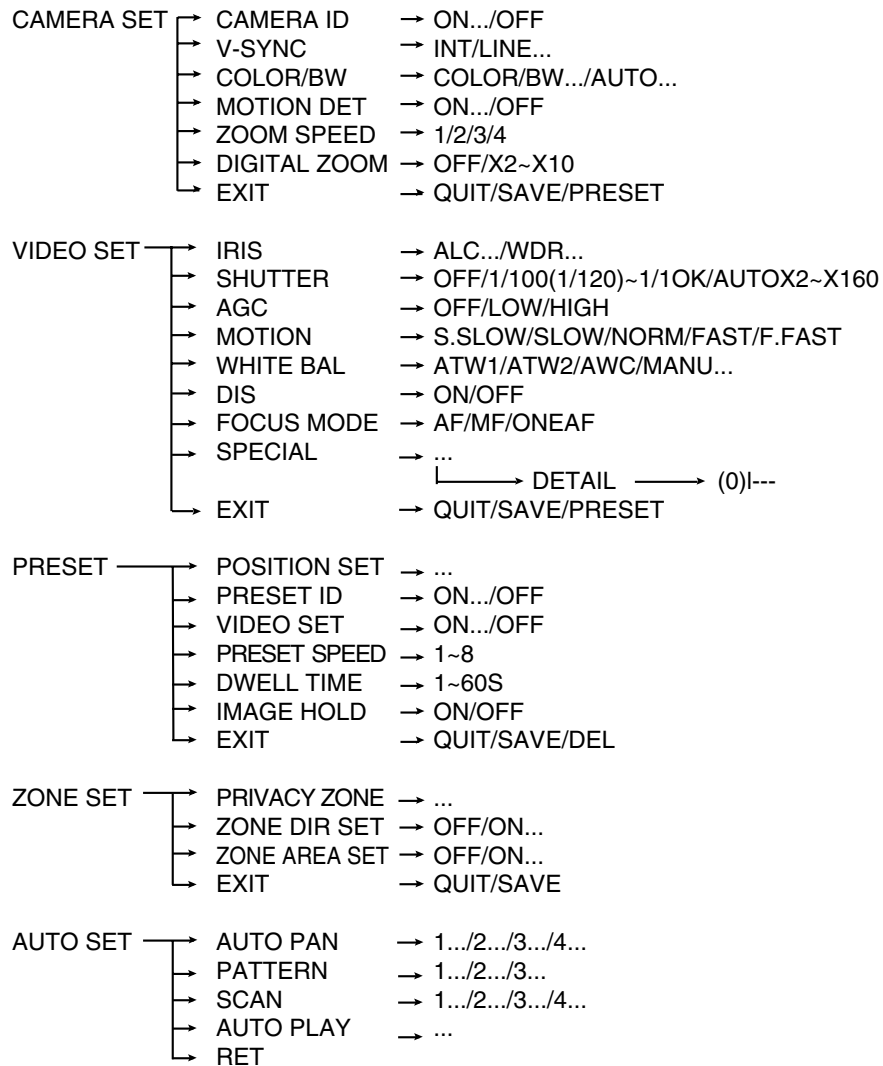
6. Network Terms Definition

- **LAN**
A computer network that spans a relatively short-distance area. It makes possible to communicate between machines such as various computer and OA machines by connecting the high-speed communication line to the various computer and OA machines.
- **xDSL**
A common designation of digital subscriber's line that makes the acronym data communication possible by phone line.
- **Cable modem**
Device that makes possible to access internet with a high speed by cable network.
- **IP**
An address to distinguish between sender and receiver in case of using TCP/IP in communication.
- **Gateway**
In a wide meaning, function unit or devices that make communicate information between network by accessing same kinds of network or different kinds of network.
- **Subnet mask**
Mask that determines which IP address is included in which subnet.
- **ISP**
Internet Service Provider.
- **DDNS**
Dynamic Domain Name System. DNS that can upgrade, modify and notify the name record dynamically.
- **MAC address**
Media Access Control Address, an inherit hardware address that is provided to each network device.
- **DHCP**
Dynamic Host Configuration Protocol. Communication agreement that allocates and manages the necessary setting information automatically in order to execute TCP/IP.
- **FTP**
Communication agreement that supports to transfer the file from one computer to the other computer over internet.
- **SMTP**
Standard protocol that uses to send the email over internet.

Chapter 4 Setup Menu Overview

In this chapter, we will look over the Setup Menu of the SCC-C6475(P), First we'll look over the overall structure of the Setup Menu, and then we'll look at the functions of each menu.

Structure of the Setup Menu

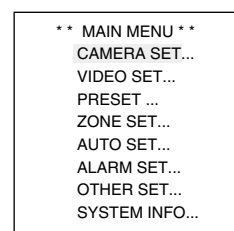


The diagram shown above illustrates the overall structure of the Setup Menu. In this section, a description of the Setup menu features will enable users of the SCC-C6475(P) to tailor it to their personal needs.

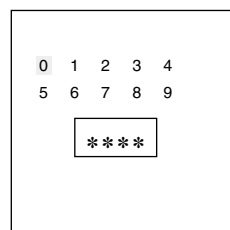
* If the power is turned off after PRESET, AUTO PAN, SCAN, PATTERN function is activated and no other control is made, camera will do the same function after the power is turned on.

* Menu setting is available only when tilt position is under 90°. When tilt position is over 90° and menu-on command is received, pan will automatically rotate 180° and tilt will be move to the corresponding position.

Use the controller to press the MENU selection key and the following screen will be displayed.



① PASSWORD
UNDEFINED



② PASSWORD
DEFINED

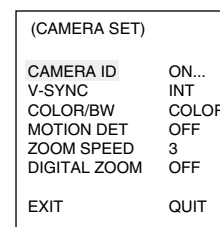
In case of ①, use UP/DOWN/LEFT/RIGHT/[ENTER] key for MENU setup. In case of ②, type in the 4 digit password first. If correct, the MENU selection screen like ① will be displayed and you will be able to set up MENU by pressing UP/DOWN/LEFT/RIGHT/[ENTER] key.

1. CAMERA SET MENU

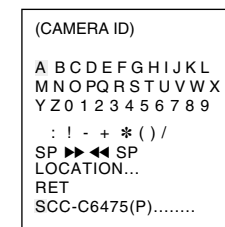
CAMERA ID

The CAMERA ID menu assigns an ID to the SCC-C6475(P) to be displayed on the connected monitor. On the CAMERA SET menu screen, select CAMERA ID to ON and press [Enter]. You will see the sub screen for deciding on the ID of the SCC-C6475(P). The Camera ID can have up to 20 alphanumeric characters, along with several special characters. The assigned camera ID may be positioned to any desired location on the screen by using the LOCATION submenu.

Caution CAMERA ID OSD is not displayed in the network viewer.



→
Press
[Enter]



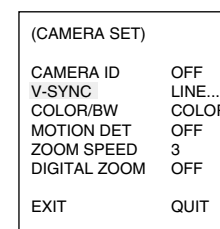
* " ... " Means there are Sub Menus.

V-SYNC

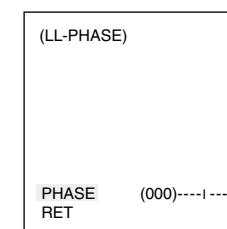
In the V-SYNC menu, vertical synchronization can be selected. The vertical synchronization signal supported by the SCC-C6475(P) is the INT mode made by clock inside the SCC-C6475(P) and LINE mode adjusting vertical synchronization to the exterior power frequency.

Select LINE and press [Enter]. You will see the LINE LOCK submenu where you can adjust the phase of the LINE LOCK.

You can use the PHASE menu of the LINE LOCK submenu to assign as much PHASE as you want.



→
Press
[Enter]



COLOR/BW

In the COLOR/BW menu, you can switch ON or OFF the IR (infrared) Filter.

In a poor illumination environment, the IR filter is turned off in the BW mode the its sensitivity increases as high as a black and white camera. On the other hand, the IR filter is turned on and the sensitivity decreases in the COLOR mode.

COLOR : The IR Filter is ON and the screen is normal.

BW : The IR Filter is OFF and the screen is black and white.
(Sensitivity to low light is increased to a level comparable to a black and white camera.)

Select BW and press [ENTER] and the additional menu to select BURST ON/OFF will appear.

AUTO : Select to automatically switch between the COLOR mode and BW mode depending on the amount of light. In low light conditions, the IR Filter is turned OFF and the sensitivity to low light is increased by switching to the BW mode, but in bright light conditions, the IR Filter is turned ON and the sensitivity is decreased by switching to the COLOR mode.

Select AUTO and press [ENTER] and the additional menu to select BW LEVEL and DURATION will appear.

- **BURST ON** : The color burst signal is output together with black and white composite video signal.

- **BURST OFF** : The color burst signal is not output.

- **LEVEL** : You can set the brightness level that changes from COLOR mode to BW mode in 3 steps : LOW, MEDIUM, and HIGH.

- **DURATION** : Set the HOLDING time for switching between COLOR and BW mode depending the changes in the amount of light. You can set the HOLDING time to 10sec (S), 30sec, 60sec, or 300sec (L).

In AUTO mode, AGC will operates in high speed mode, and you cannot change it manually, as it is indicated by "---".

(CAMERA SET)	
CAMERA ID	OFF
V-SYNC	INT
COLOR/BW	AUTO...
MOTION DET	OFF
ZOOM SPEED	1
DIGITAL ZOOM	OFF
EXIT	QUIT



Press
[Enter]

(AUTO)	
BURST	ON
LEVEL	LOW
DURATION	S- --- L
RET	

Caution : If you use an infrared light source while in AUTO mode, AUTO switching malfunction and camera AF malfunction may occur.

MOTION DET

In MOTION DET, you can set the Motion Detection function, Motion Detection Sensitivity, and the Area of Motion Detection. If the Motion Detection function is set, the movement of an intruder can be detected. When motion is detected, it sets off the Alarm signal of the Controller.

(CAMERA SET)	
CAMERA ID	OFF
V-SYNC	INT
COLOR/BW	COLOR
MOTION DET	ON...
ZOOM SPEED	3
DIGITAL ZOOM	OFF
EXIT	QUIT



Press
[Enter]

(MOTION DET)	
AREA	PRESET...
SENSITIVITY	L- --- H
RET	


Select ON and press [ENTER] and the MOTION DET additional menu will appear. The AREA menu, selecting the screen area where the MOTION detection function will be applied may be selected by PRESET or USER. Set AREA to PRESET and the MOTION detection function will be applied to the factory default part.

If you set the AREA menu to USER and press [ENTER], you may vary the size and position of the area where you want to apply the MOTION detection function by yourself. Press Left, Right, Up, or Down to select an area size. Press ENTER and then Left, Right, Up, or Down to select a position. Press ENTER again to move back to the upper menu.

Use [ENTER] and Left, Right, Up, or Down to move and scale the MOTION detection area.


Press [ENTER] again and you will escape the AREA setup menu.

Use SENSITIVITY to set up the sensitivity of MOTION detection strength. The higher, the more sensitive.

SIZE	
	
POSITION	



Use the [Left,
Right, Up, Down]
Keys

SIZE	
	
POSITION	

After PAN/TILT movement finishes, MOTION DET function will not work for about 5 seconds to stabilize the image of the screen.

ZOOM SPEED

In the ZOOM SPEED menu you can select the speed of the ZOOM Key (Tele/Wide).

Use the [Left] or [Right] keys in the ZOOM SPEED menu to select the speed.

- 1 : Slowest speed
- 2 : Low speed
- 3 : High speed
- 4 : Fastest speed

DIGITAL ZOOM

You may set up the digital zoom magnification ratio in the DIGITAL ZOOM menu. The magnification ratio ranges from OFF to 10. If you set Digital Zoom of SCC-C6475(P) to max. 10 times, the mode will become the 22 time optical zoom and you will be able to enlarge a subject by max. 220 times. Use Left or Right to select a magnification ratio in the DIGITAL ZOOM menu.

(CAMERA SET)	
CAMERA ID	OFF
V-SYNC	INT
COLOR/BW	BW...
MOTION DET	OFF
ZOOM SPEED	3
DIGITAL ZOOM	OFF
EXIT	QUIT

(CAMERA SET)	
CAMERA ID	OFF
V-SYNC	INT
COLOR/BW	BW...
MOTION DET	OFF
ZOOM SPEED	3
DIGITAL ZOOM	X10
EXIT	QUIT

EXIT

The EXIT menu is used to quit the CAMERA SET menu of the SCC-C6475(P) and return to the MAIN MENU.

- QUIT : Ignores the changed information and restores the saved information.
- SAVE : Saves the information of the setting condition of the menu.
- PRESET : Ignores the changed information and restores the initial factory defaults of the menu.

2. VIDEO SET MENU

IRIS

There is a function to automatically adjust IRIS to the incoming light level. Owing to this function, you may set up the brightness level yourself. The ALC(Auto Light Control) menu allows you for video output level setup. The WDR(Wide Dynamic Range) menu allows you to set up the WDR level and the FLICKERLESS function.

ALC

Choose the ALC of the IRIS item and press [ENTER] and set the submenu to the Video Output level and BLC will be shown. The Video Output Level can be set in the level item using the [Left, Right] keys.

BLC (Submenu of the ALC menu)

With conventional cameras, strong background lighting interferes with the clarity of objects, making them appear dark. In the SCC-C6475(P), setting the BLC (Back Light Compensation), submenu of ALC/MANU menu, will solve the problem of backlight and give you a clear screen. Set the BLC menu to ON and the Backlight Compensation function will be applied to the screen.

(VIDEO SET)	
IRIS	ALC...
SHUTTER	OFF
AGC	OFF
WHITE BAL	ATW1
DIS	OFF
FOCUS MODE	AF
SPECIAL	...
EXIT	QUIT...

→
Press
[Enter]

(ALC)	
BLC	OFF
LEVEL	(0)----1----
RET	

WDR

The WDR camera is a state-of-art technology to expand the screen profit, mostly effective when you photograph both indoor and outdoor. In short, this function provides you with the distinct reproduction of not only the indoor but also the outdoor. Press [ENTER] to set up the WDR level and the FLICKERLESS function.

(VIDEO SET)	
IRIS	WDR...
SHUTTER	OFF
AGC	OFF
WHITE BAL	ATW1
DIS	ON
FOCUS MODE	AF
SPECIAL	...
EXIT	QUIT...

→
Press
[Enter]

(WDR)	
LEVEL1	L----] ----H
LEVEL2	L----] ----H
FLICKERLESS	OFF
RET	

- LEVEL 1 : Controls the shutter speed while WDR operates.
- LEVEL 2 : Controls the whole brightness while WDR operates.
- FLIKERLESS : This is for preventing flicker on the screen when NTSC system is used in 50HZ power supply region and PAL system is used in 60HZ power supply region. That is to prevent shaking on the screen resulted from the discordance of the vertical sync frequency and the flicker frequency of the illumination. While this menu is ON, the electronic shutter is fixed to 1/100sec (NTSC) or 1/120 sec (PAL).

SHUTTER

You may designate both the fast electronic shutter speed and low electronic shutter speed in the SHUTTER menu. The fast electronic shutter supports 7 shutter speeds from 1/100(1/120) to 1/10K second to be used for the bright and fast video image. The AUTO slow electronic shutter supports 10 shutter speeds from x2 to x160 and sets the shutter speed to be slow In order to make the image on the screen more distinct and brighter when you photograph under dark illumination. If you want to sense the light brightness to control the shutter speed to the brightness automatically, select the AUTO slow shutter.

(VIDEO SET)	
IRIS	ALC...
SHUTTER	OFF
AGC	OFF
WHITE BAL	ATW1
DIS	OFF
FOCUS MODE	AF
SPECIAL	...
EXIT	QUIT

Keep pressing both Left and Right in the SHUTTER menu, the speed will change in the following sequence.

OFF → AUTO X2 → AUTO X4 → AUTO X6 → AUTO X8 → AUTO X12 → AUTOX16
 → AUTO X20 → AUTO X40 → AUTO X80 → AUTO X160 → OFF → 1/100(1/120) →
 1/250 → 1/500 → 1/1000 → 1/2000 → 1/4000 → 1/10K → OFF

※ In case the IRIS mode is set to WDR, only the following modes are available.

OFF → AUTO X2 → AUTO X4 → AUTO X6 → AUTO X8 → AUTO X12 → AUTOX16
 → AUTO X20 → AUTO X40 → AUTO X80 → AUTO X160 → OFF

AGC

The AGC menu was designed to provide you with brighter screen supposed you photographed any subject in the dark resulting in less brighter image than regulated. AGC menu setup is available only when the SHUTTER menu is set to Fast Shutter or Off. Press either Left and Right to go to LOW or HIGH and the AGC function will be activated. LOW is use to lower the maximum AGC GAIN and HIGH raise the maximum AGC GAIN.

When the COLOR/BW menu of the camera set is set to AUTO, the AGC menu item is left dotted and the maximum AGC GAIN is fixed to HIGH.

(VIDEO SET)	
IRIS	ALC...
SHUTTER	OFF
AGC	LOW
WHITE BAL	ATW1
DIS	OFF
FOCUS MODE	AF
SPECIAL	...
EXIT	QUIT

MOTION

The MOTION function is available only when the SHUTTER men is set to Slow Shutter AUTO, being composed of 5 steps, S.SLOW, SLOW, NORM, FAST, F.FAST.

- S.SLOW reduces the amount of AGC as much as possible to monitor subjects with no immobility in the dark.
- SLOW reduces the amount of AGC to monitor subjects with little immobility in the dark.
- NORM sets the amount of AGC to the middle to monitor mobile subjects in the dark.
- FAST raises the amount of AGC to monitor fast subjects in the dark.
- F.FAST reduces the amount of AGC as much as possible to monitor very fast subjects in the dark.

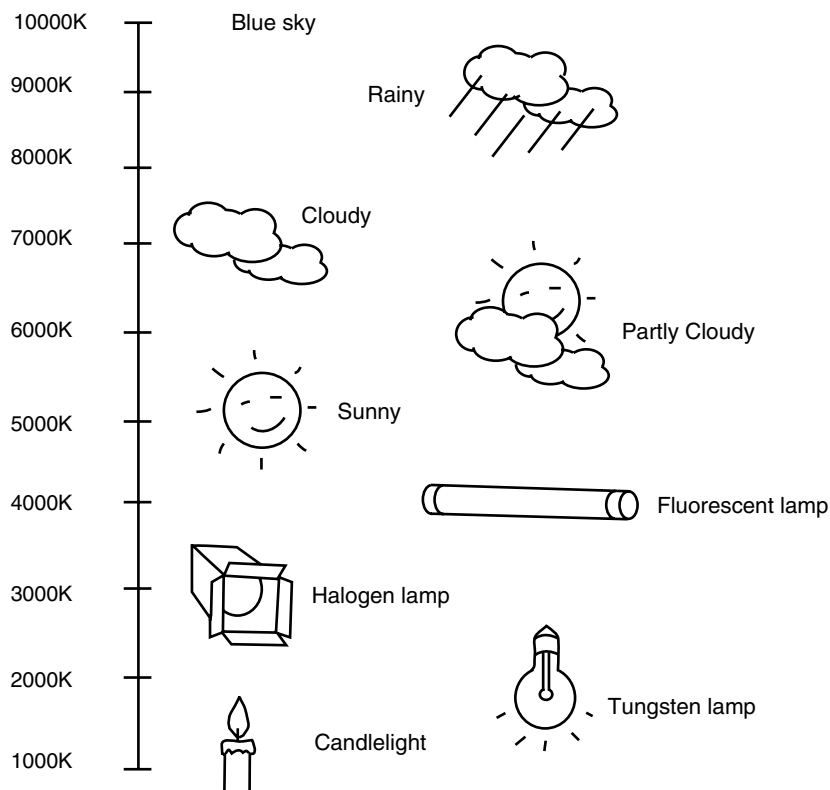
When the SHUTTER menu is set to AUTO, press Down to locate the cursor in the MOTION menu and press Left and Right for MOTION function setup. Press Left to the SLOW side and Right to the FAST side.

(VIDEO SET)	
IRIS	ALC...
SHUTTER	AUTO x2
MOTION	F.FAST
WHITE BAL	ATW1
DIS	OFF
FOCUS MODE	AF
SPECIAL	...
EXIT	QUIT

WHITE BAL

Lights are generally denoted as color temperatures and expressed in Kelvin (K) units.

The general light color temperatures are shown below.



You can select one of four modes for white balance adjustment as follows:

- ATW1/ATW2(Auto-Tracing White Balance Mode): In these modes, the color temperature is monitored continuously and thereby white balance is set automatically. The following are the approximate supported color temperature ranges in these modes.

ATW1 : 2500K ~ 9300K(*1)

ATW2 : 2000K ~ 10000K(Mode recommended for sodium lighting)(*2)

- * 1. If the color temperature is out of this range in ATW1 mode, proper white balance may not be obtained. In that case, select ATW2 mode.
- * 2. In ATW2 mode, if one color is dominated in the shot area, the color can be displayed differently.

Therefore, select the mode which is appropriate for the environment.

- AWC(Auto-Tracing White Balance Control): In this mode, accurate white balance is obtained by pressing [ENTER] while having a white paper in front of the camera. White Balance data will be maintained after set it once. AWC mode is best in locations where the color temperature of light source is constant.
- MANU : If WHITE BAL menu is set to MANU mode, the user can set the white Balance considering the current illumination. Select MANU item and press [ENTER], the sub screen where you can select Manual White Balance will be shown. Use the left/right keys to select 3200K, 5600K or OFF(USER) mode in the PRESET menu.
- 3200K : Set color temperature to 3200K
- 5600K : Set color temperature to 5600K
- USER : Choose out a proper value from the RED and BLUE graph for color and temperature setup.

(VIDEO SET)	
IRIS	ALC...
SHUTTER	OFF
AGC	ON
WHITE BAL	MANU...
DIS	ON
FOCUS MODE	AF
SPECIAL	...
EXIT	QUIT

→
Press
[Enter]

(AWB/MANU)	
PRESET	3200K
RET	

DIS

The DIS(Digital Image Stabilization) function compensates the camera screen shaking incurred from vibration.

It is recommended to deactivate the DIS function in the no vibration environment.

FOCUS MODE

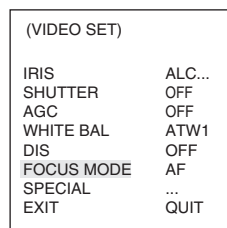
In the FOCUS MODE MENU, the Focus method can be set to AF, MF, or ONEAF.

- AF : With AUTO FOCUS MODE, you can monitor the screen continuously and it will focus automatically. While moving the zoom keys, it will automatically focus so FOCUS key input is not necessary.
- MF : In MANUAL FOCUS MODE the user adjusts the Focus manually.
- ONEAF : The ONEAF Mode performs Auto-focusing only when the SCC-C6475(P) stops after moving and when the SCC-C6475(P) is not moving it is same as MF mode.

(The ONEAF Mode does not work when zooming out.

※ When in the MF/ONEAF Mode, press the NEAR and FAR keys on the Controller (SSC-1000/SSC-2000) at the same time to perform AUTO FOCUS.)

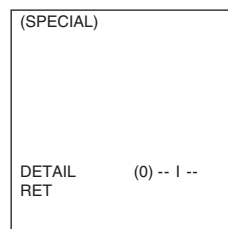
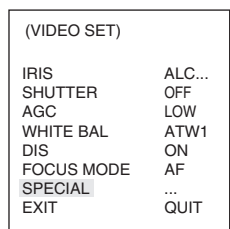
Use the left/right keys to select AF, MF or ONEAF in the FOCUS MODE menu.



SPECIAL

You may control DETAIL by yourself in the SPECIAL menu.

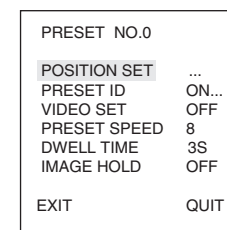
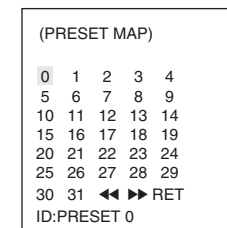
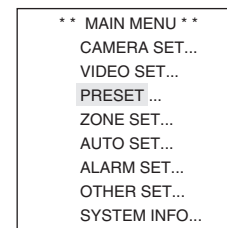
- DETAIL : Controls both horizontal and vertical distinction.



3. PRESET

This is the menu that user sets the PAN/TILT location, Zoom/Focus, and screen condition, so the camera can monitor the presetting area on demand. A total of 128 presets are available.

Among the 128 PRESETS, PRESET 1: ALARM1, PRESET 2: ALARM2, PRESET 3: ALARM3, PRESET 4: ALARM4, PRESET 5: set as special preset corresponding MOTION.



※ Set the PRESET position at the TILT which ranges from 0° to 90°. Beyond this range, PRESET setup is not available.

※ When you try to set the Preset position by using the Controller(SSC-1000 or SSC-2000) beyond the range of TILT 90°, the text, “SET AGAIN” will be displayed. In such a case, please retry in the area below TILT 90°.

EXIT

It's the same as the EXIT function of the CAMERA SET menu.

POSITION SET

From "POSITION SET..." press [ENTER] to get into the PAN/TILT, FOCUS/ZOOM SET screen to set the PAN/TILT location and FOCUS/ZOOM condition then press [ENTER] to return to a higher menu.

PRESET ID

This is the ID set up function for each PRESET. It can be set up to 12 characters using the left, right, up, and down keys. The ID location can be set in the submenu of "LOCATION..."

Caution PRESET ID OSD is not displayed in the network viewer.

VIDEO SET

This is the screen setting function for each PRESET. Refer to the explanation under "VIDEO SET menu".

PRESET SPEED

This function sets up the speed of PAN or TILT by 8 steps from 1(SLOW) to 8(FAST).

- PRESET SPEED 1 : Maximum PAN moving speed of 240°/sec
- PRESET SPEED 8 : Maximum PAN moving speed of 400°/sec

DWELL TIME

This is a function setting for the DWELL TIME of the PRESET location in "SCAN" motion. It can set DWELL TIME From 1 ~ 60 Sec.

IMAGE HOLD

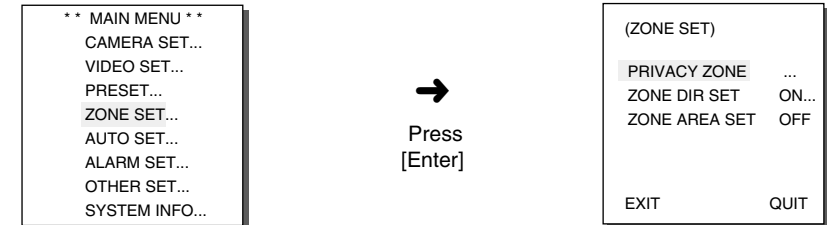
Pauses the image when PRESET is in movement, If you set the IMAGE HOLD menu to ON, the screen will be paused until PRESET finishes moving.

EXIT

- "QUIT" : Does not save the selected information and returns to a higher menu.
- "SAVE" : Do saves the selected information and returns to a higher menu.
- "DEL" : Deletes the selected information and restores the DEFAULT. Then returns to a higher menu.

4. ZONE SET

The ZONE SET menu includes the setup of PRIVACY ZONE, ZONE DIRECTION, and ZONE AREA.



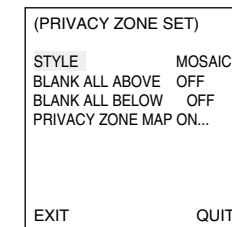
PRIVACY ZONE

Move PAN/TILT/ZOOM to select an area that can infringe someone privacy, then this function will hide the area if it can be involved in the photograph to protect his privacy. The number of area reaches up to 12.

STYLE

In the STYLE menu, you may the shape of the PRIVACY ZONE area on the screen.

- MOSAIC1 : The privacy zone is displayed with the mosaic of 16 X 16 pixel.
- MOSAIC2 : The privacy zone is displayed with the mosaic of 32 X 32 pixel.



* Set to the PRIVACY ZONE section, the mosaic screen will not be recovered after recording.

BLANK ALL ABOVE

The available angle for setup ranges from OFF/0/-10 to -90 and the area above a set angle will be regarded as the ZONE area.

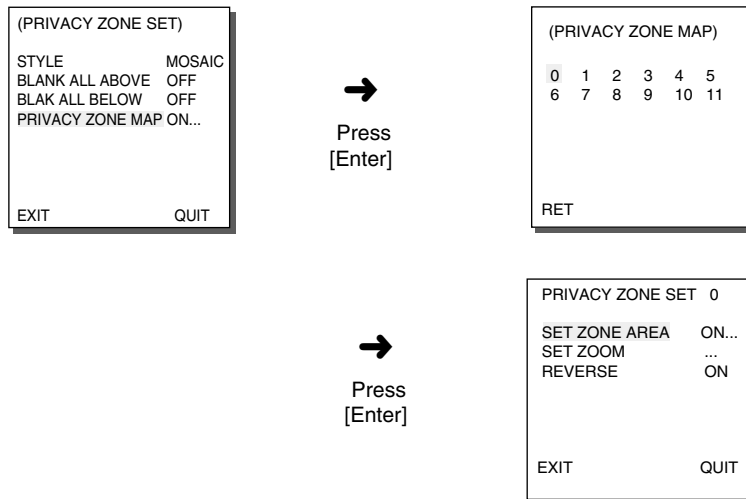
BLANK ALL BELOW

The available angle for setup ranges from OFF/0/-10 to -90 and the area below a set angle will be regarded as the ZONE area.

PRIVACY ZONE MAP

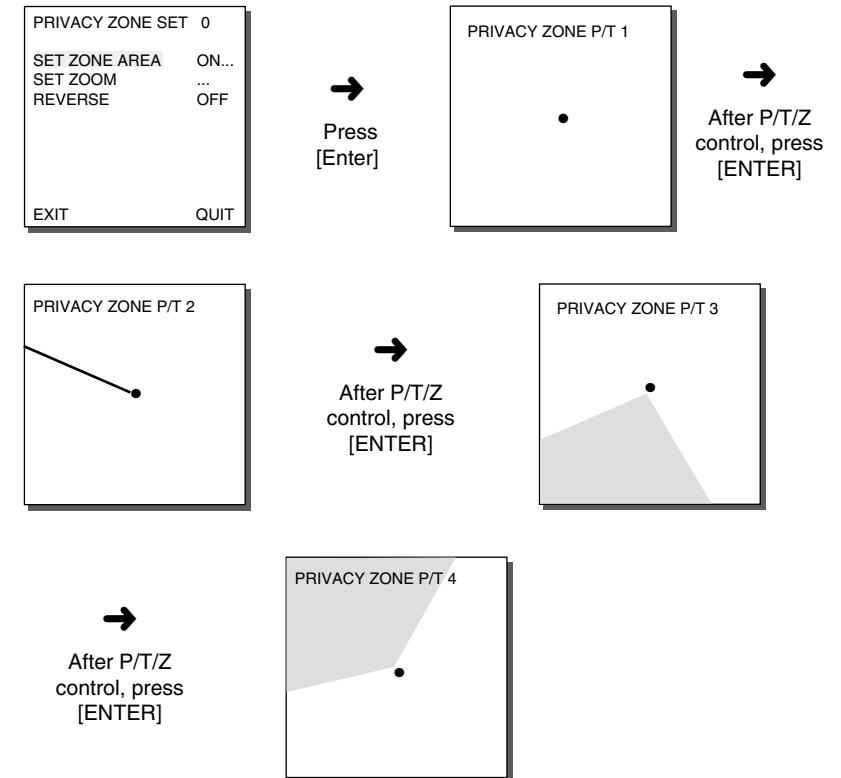
Press [ENTER] to enter the PRIVACY ZONE MAP screen from “PRIVACY ZONE MAP ON..”.

Select a privacy zone number and press [ENTER] from the PRIVACY ZONE MAP screen to enter the PRIVACY ZONE setup screen.



SET ZONE AREA

Press [ENTER] at the “SET ZONE AREA...” position to enter the PRIVACY ZONE setup screen. Control PAN/TILT/ZOOM to select 4 apexes of the PRIVACY ZONE area and the rectangular PRIVACY ZONE area will be completed.



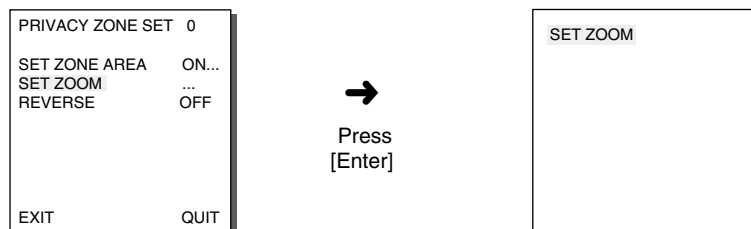
* For the safer privacy protection, select about 10 % more than the actual size to hide when you set up the PRIVACY ZONE area.

* 4 points of PRIVACY ZONE area are in the middle of the screen. Therefore, when the tilt is positioned at upside limit(0° or 180°), PRIVACY ZONE cannot be set in the area which is displayed above center.

* If the points becomes X shape, it means PRIVACY ZONE cannot be set due to the size limitation.

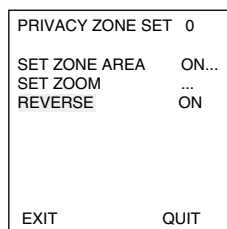
SET ZOOM

Press [ENTER] at the “SET ZOOM...” position to enter the ZOOM setup screen. After ZOOM setup, the PRIVACY ZONE function will be in action only at the higher magnification than the Zoom magnification as set.



REVERSE

The REVERSE function applies PRIVACY MASK to the other area than set as a privacy zone. ON/OFF is available.



EXIT

- "QUIT" : Does not save the selected information and returns to a higher menu.
- "SAVE" : Do saves the selected information and returns to a higher menu.
- "DEL" : Deletes the selected information and restores the DEFAULT. Then returns to a higher menu.

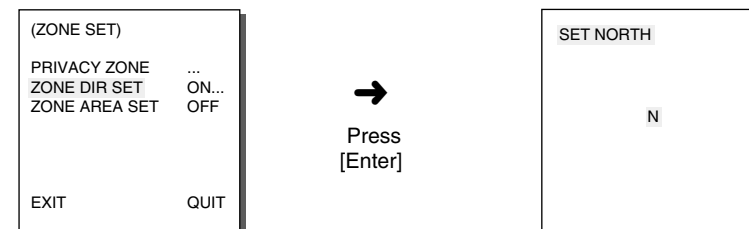
ZONE DIR SET/ZONE AREA SET

This function indicates the ID or direction depending on the set value when PAN of SCC-C6475(P) is located in a specific area. If set to AREA, it indicates the ID of the selected area and if set to N(NORTH), NE(NORTH-EAST), E(EAST), SE(SOUTH-EAST), S(SOUTH), SW(SOUTH-WEST), W(WEST), NW(NORTH-WEST).

ZONE DIR SET

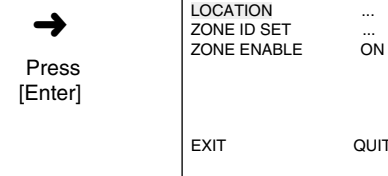
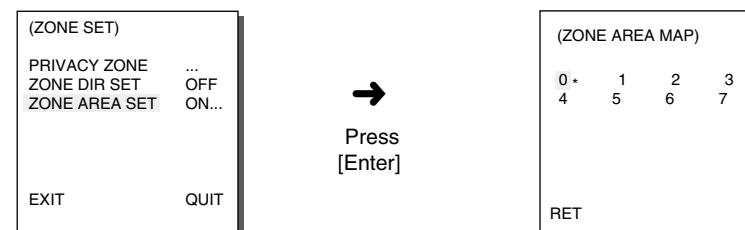
Press the [Enter] key in the “ZONE DIR SET ON...” mode to enter the NORTH SET screen. MAP. Move PAN to set the NORTH position and press [ENTER]. Based on the North position, the direction of N(North), NE(North-East), E(East), SE(South-East), S(South), SW(South-West), W(West), NW(North-West) is displayed whenever you move PAN.

Caution ZONE DIR/AREA OSD is not displayed in the network viewer.



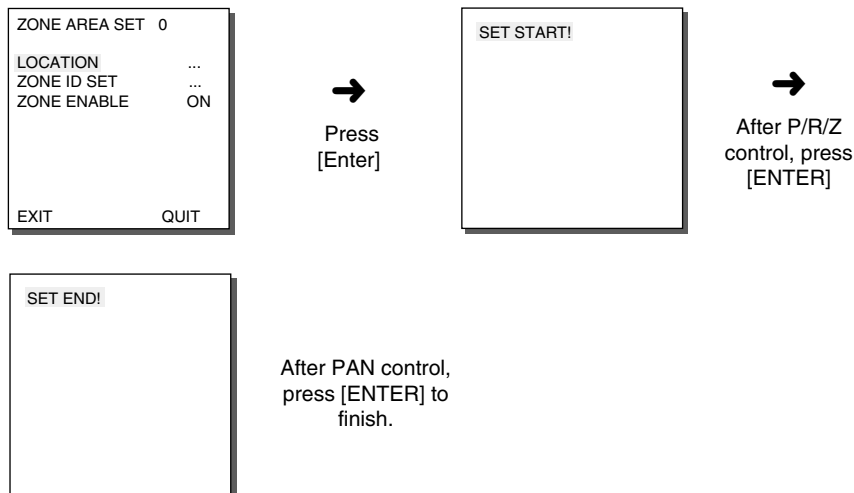
ZONE AREA

Press [ENTER] to enter the ZONE AREA MAP screen from “ZONE AREA SET...”. Select a ZONE AREA number from the ZONE AREA MAP screen and press [ENTER] to enter the ZONE AREA setup screen.



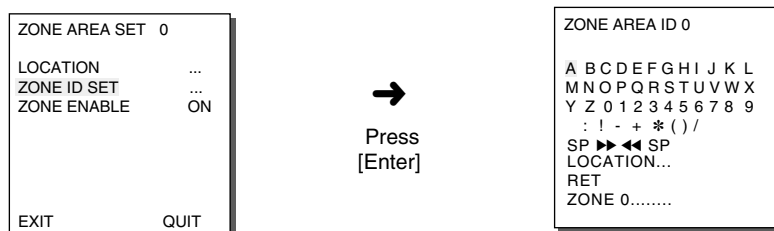
LOCATION

The "LOCATION..." menu designates the left/right LIMIT positions of ZONE AREA. Enter the setup screen to move PAN, then select a start position and press [ENTER]. Move PAN again to select an end position and press [ENTER]. Now, ZONE AREA setup is complete.



ZONE ID SET

This function is used to allocate as many as 12 IDs to each zone area. Use Left, Right, UP, or DOWN for this purpose. You may select the ID position from the additional menu of "LOCATION...".



ZONE ENABLE

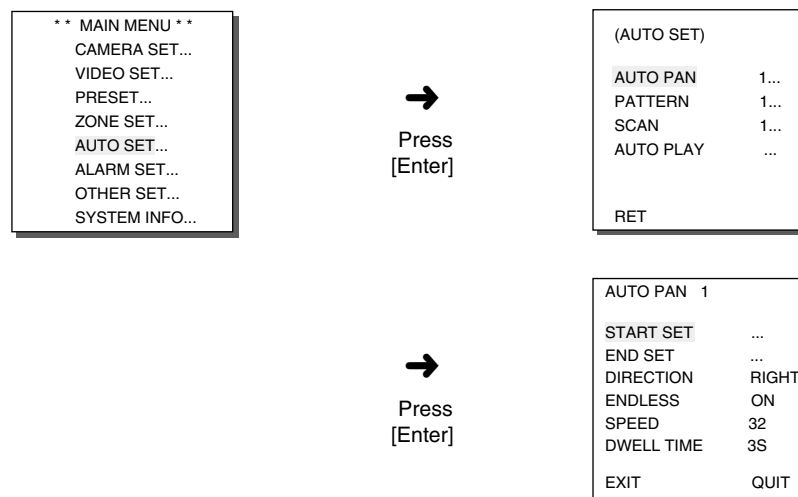
This function turns on or off the ZONE AREA ID indication.

5. AUTO SET

The AUTO SET menu includes AUTO PAN, PATTERN, and SCAN and it is able to set up the AUTO PLAY motion.

AUTO PAN

After selecting the locations of two points (PAN/TILT) of START and END, it loops continuously in the set up SPEED. The number of AUTO PAN is up to 4.



START SET

From "START SET...", get into the START SET setup screen by pressing [ENTER].

After selecting the locations of PAN/TILT location, press [ENTER] again to return to higher menu.

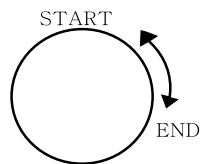
END SET

From "END SET...", get into the END SET setup screen by pressing [ENTER]. Adjust PAN/TILT location and press [ENTER] to return to a higher menu.

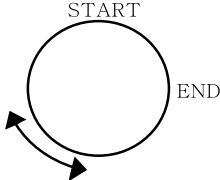
DIRECTION

This sets up the movement direction of the START to END location (PAN location standard)

"RIGHT " :



"LEFT " :



ENDLESS

This is a 360-degree rotation function that stops for the DWELL TIME only in the START and END positions without running between the START and END positions. It can be set to "ON" or "OFF".

SPEED

This is a setting function for movement speed setup. It can be set from STEP1 to STEP64.

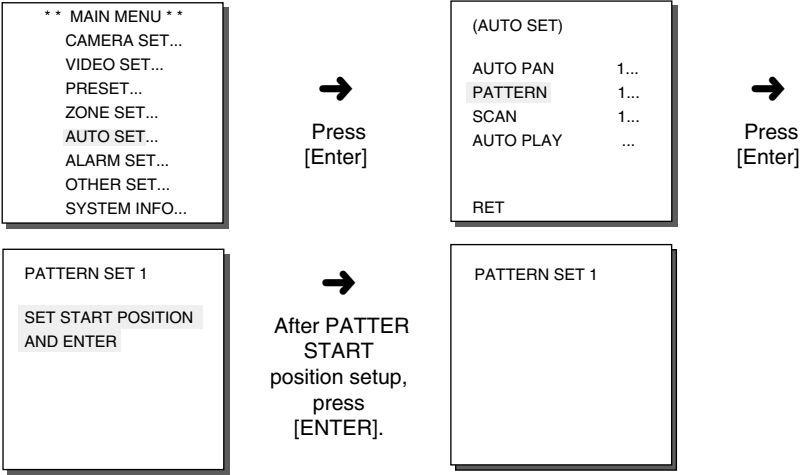
DWELL TIME

This is a function for setting up the time to stay in the START to END position.

PATTERN

This is a replay function so that the MANUAL functions such as PAN, TILT, ZOOM, and FOCUS are played for 2 minutes.

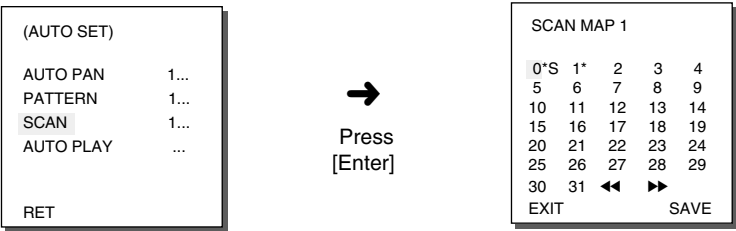
- ※ When the PATTERN is saved/executed, the PAN/TILT is operated with PROPORTIONAL ON, TURBO OFF.
- ※ Two minutes PATTERN function is supported only by the ALARM VER 1.100 over. If the SSC-1000 or SSC-2000 is used when uploading/downloading the menu setup, reset the PATTERN because it may be different with the first setting.



PATTERN can be set upto 3. Choose 1, 2, or 3 with the left or right key in the "PATTERN SET" and press [ENTER] to get into the PATTERN set up screen. From the moment "PATTERN 1 SET" is gone for 2 minutes, it memorizes the MANUAL movements and after 2 minutes it will return to a higher menu. If you want to finish set up before the 2-minutes ends, press [ENTER].

SCAN

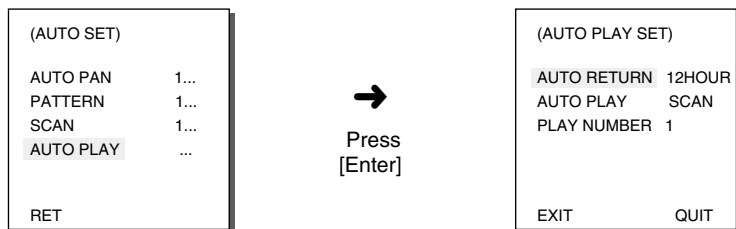
SCAN sets the direction of PRESET movement during "SCAN" operation. The number of SCAN is up to 4 and each SCAN is able to allocate 32 PRESETs as a maximum.



If you enter the SCAN SET screen, PRESET MAP will be displayed. Move the cursor to the number marked * where PRESET is saved and press [ENTER] and S will appear and a PRESET will be included in SCAN.

AUTO PLAY

AUTO PLAY executes SCAN, AUTO PAN, PATTERN, and PRESET when there is no camera action after AUTO RETURN finishes.



AUTO RETURN

This menu sets up the time during which AUTO PLAY repeats.

AUTO PLAY

This function sets up the motion which will be repeatedly performed by SCC-C6475(P) whenever the time set by AUTO RETURN elapses. It covers SCAN, AUTO PAN, PATTERN, and PRESET setup.

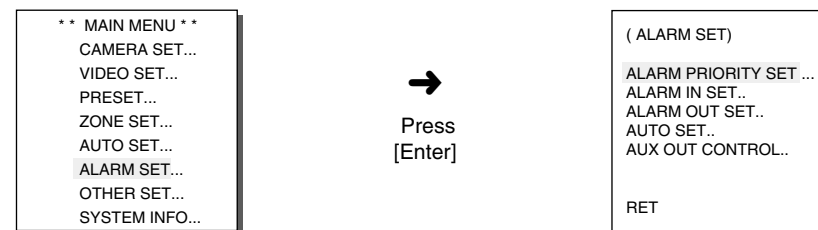
PLAY NUMBER

This menu allocates a number to the motion set by AUTO PLAY. The numbers range from 1 to 4 for SCAN AND AUTO PAN, 1 to 3 for PATTERN, and 0 to 127 for PRESET.

6. ALARM SET

It consists of 4 ALARM INPUTs and 3 ALARM OUTs. It can sense an ALARM input from exterior SENSORS and it performs with PRESET or PATTERN function and outputs the ALARM OUT signals.

The Alarm will be recognized only when its input lasts more than 150ms and the alarm operation time depends on the Preset Dwell time corresponding to the alarm and whether AUTO is involved.



ALARM PRIORITY SET

This sets the priority of the 4 ALARM inputs so ALARM can work corresponding to the priority.

The priority of the DEFAULT is ALARM1: 1, ALARM2: 2, ALARM3: 3, ALARM4: 4, MOTION: 5.

If the ALARM is working at the same time and the priority is the same, it will operate according to the DEFAULT priority. While the ALARM is working, it cannot detect MOTION.

ALARM IN SET

This sets the input TYPE to "NO" (Normal Open), "NC" (Normal Close), or "OFF" depending on the features of the SENSOR connected.

ALARM OUT SET

Each ALARM input corresponds to one of the 3 ALARM OUT.

AUTO SET

This menu designates what to do at the time of ALARM input. Once an alarm is given, the camera will shortly move to the PRESET position corresponding to the respective alarm as follows.

PRESET1 to ALARM1

PRESET2 to ALARM2

PRESET3 to ALARM3

PRESET4 to ALARM4

PRESET5 to MOTION

After DWELL TIME at a PRESET position, PATTERN or SCAN will be in action according to the AUTO SET setup.

Setup of OFF/1/2/3/HALF1/HALF2/FULL/SCAN1~4 is available.

OFF does not perform PATTERN or SCAN after moved to PRESET and each menu has its own function as follows.

1 : PATTERN1,

2 : PATTERN2,

3 : PATTERN3,

HALF1 : Continuous operation of PATTERN1 + PATTERN2

HALF2 : Continuous operation of PATTERN2 + PATTERN3

FULL : Continuous operation of all the aboves

SCAN 1~4 : Scanning as set

AUX OUT CONTROL

This sets the ALARM OUT motion to continue or act only when the ALARM is working.

If it is set to OFF the ALARM OUT motion will operate only when the ALARM is working.

(Active "Low"), and if it's set to ON, the ALARM OUT will always operate regardless of the ALARM.

7. OTHER SET

PROPORTIONAL P/T

This function controls the PAN/TILT speed to the ZOOM magnification ratio during the manual operation of PAN/TILT. If you set PROPORTIONAL P/T to ON, the PAN/TILT speed will increase in the ZOOM WIDE mode and decrease in the ZOOM TELE mode even in the same manual operation.

TURBO P/T

This function doubles up the speed of PAN/TILT movement by manual operation of PAN/TILT. The speed may go up to 180°/sec(PAN).

AUTO CAL

This function turns on or off Auto Calibration. SCC-C6475(P) has the Auto Calibration function to improve the precision of LENS and PAN/TILT motor. You may set to OFF/6H/12H/18H/24H. Without user's key input for the time designated by the user, A.C. will appear on the screen while initializing LENS and PAN/TILT.

D-FLIP

When D-FLIP is off, TILT movement ranges from 0° to 90°.

When D-FLIP is on, TILT movement ranges from 0° to 180°.

When D-FLIP is on, images mirror vertically and horizontally in the area beyond TILT 90°.

CAM RESET

CAM RESET clears all the settings made so far and restores the factory default settings.

"CAMERA RESET?" message appears when you select CAM RESET.

Select "CANCEL" to return to the menu setup display or select OK to restore the factory default settings.

※ Be careful when performing a CAM RESET operation, as it deletes all setup values.

LANGUAGE

This function selects a language for MENU setup. Press UP/DOWN key to choose English, French, German, Spanish, or Italian, and the selected language will be applied to the full screen.

PASSWORD

This function selects or cancels the MENU setup password. Press [ENTER] at the state of PASSWORD ON, and the following screen will appear for password setup.

```

(OTHER SET)
PROPORTIONAL P/T  ON
TURBO P/T        OFF
AUTO CAL.        OFF
D-FLIP          ON
CAM RESET        ...
LANGUAGE         ENGLISH
PASSWORD        ON...

EXIT            QUIT
  
```



```

(PASSWORD)

0 1 2 3 4
5 6 7 8 9

****
****

RET
  
```

Press UP/DOWN/LEFT/RIGHT key to locate the cursor on a number and press [ENTER] for password setup. After you finish inputting the 4 digits password and the 2nd row of the 4 digits PASSWORD input screen, input the selected password again for reassurance.

If correct, the cursor will move to RET.

Press [ENTER] at RET, and the selected password will be saved, returning to the OTHER SET screen.

Default password is 0123.

8. SYSTEM INFO

This menu allows you to check S/W version, communication protocol, baud rate, and address of SCC-C6475(P).

```

** MAIN MENU **
CAMERA SET...
VIDEO SET...
PRESET...
ZONE SET...
AUTO SET...
ALARM SET...
OTHER SET...
SYSTEM INFO...
  
```



```

( SYSTEM INFO)
FPGA VER. 1.000
ALARM VER. 1.000
MOTOR VER. 1.000
CAMERA VER. 1.000
EEPROM VER. 1.000
PROTOCOL SAMSUNG
COMM. TYPE RS-485, HALF
BAUD RATE 9600
ADDRESS 0
MAC 54-EE-C8
RET
  
```

9. SHORT KEYS

SSC-1000 or SSC-2000 Controller supports the following short keys.

Function		Key
CAMERA SET...		
COLOR/BW	COLOR	[PRESET] + [1] + [2] + [8] + [Enter]
COLOR/BW	BW	[PRESET] + [1] + [2] + [9] + [Enter]
COLOR/BW	AUTO	[PRESET] + [1] + [3] + [0] + [Enter]
VIDEO SET...		
IRIS	WDR	[PRESET] + [1] + [3] + [1] + [Enter]
IRIS	ALC	[PRESET] + [1] + [3] + [2] + [Enter]
FOCUS MODE	AF	[PRESET] + [1] + [3] + [3] + [Enter]
FOCUS MODE	MF	[PRESET] + [1] + [3] + [4] + [Enter]
FOUCS MODE	ONEAF	[PRESET] + [1] + [3] + [5] + [Enter]
ALARM SET...		
AUX OUT CONTROL...		
OUT1	ON	[PRESET] + [1] + [3] + [6] + [Enter]
OUT1	OFF	[PRESET] + [1] + [3] + [7] + [Enter]
OUT2	ON	[PRESET] + [1] + [3] + [8] + [Enter]
OUT2	OFF	[PRESET] + [1] + [3] + [9] + [Enter]
OUT3	ON	[PRESET] + [1] + [4] + [0] + [Enter]
OUT3	OFF	[PRESET] + [1] + [4] + [1] + [Enter]
OTHER SET...		
PROPORTIONAL P/T	ON	[PRESET] + [1] + [4] + [2] + [Enter]
PROPORTIONAL P/T	OFF	[PRESET] + [1] + [4] + [3] + [Enter]
TURBO P/T	ON	[PRESET] + [1] + [4] + [4] + [Enter]
TURBO P/T	OFF	[PRESET] + [1] + [4] + [5] + [Enter]
D-FLIP	ON	[PRESET] + [1] + [4] + [6] + [Enter]
D-FLIP	OFF	[PRESET] + [1] + [4] + [7] + [Enter]
AUTO RETURN *1)		[PRESET] + [1] + [4] + [8] + [Enter]
AUTO CAL.		[PRESET] + [1] + [4] + [9] + [Enter]
CAM RESET		[PRESET] + [1] + [5] + [0] + [Enter]

Other keys than AUTO CAL. and AUTO RETURN, upon execution, shall be applied to the MENU setup process.

*1) The use of AUTO RETURN will be available only when the function equivalent to AUTO PLAY, a sub menu of AUTO SET has been built in.

- * SCC-C6475(P) has two FANs inside for preventing overheating.
If FAN doesn't work properly, messages below will be displayed.
In those case, replace the FAN.
- CAMERA FAN ERROR !
: This message is displayed when the FAN which is connected with camera of
SCC-C6475(P) does not work properly.
- ALARM FAN ERROR !
: This message is displayed when the FAN which is located bottom of
SCC-C6475(P) does not work properly.

Appendix

- **Installation of IP router**
Linksys (Model : WRT54G)
Netgear (Model : RP614v2)
D-Link (Model : DI-624+)
- **Specifications**

Installing the IP router

Setting the IP sharing setting Example (Linksys model WRT54G)

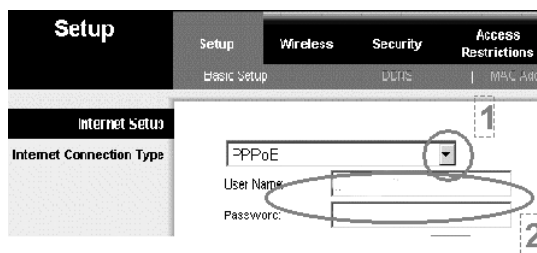
1. LOGIN



1. Open the internet explorer window and enter the http://192.168.1.1 in the address and press enter.
2. User Name: Empty
Type Password: admin
3. Press the “OK”.

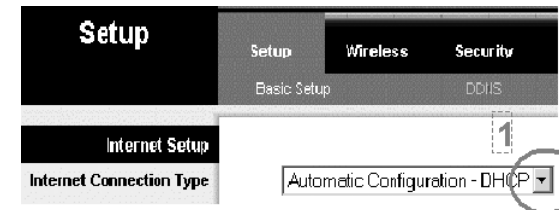
2. Connecting the Internet

2-1 ADSL



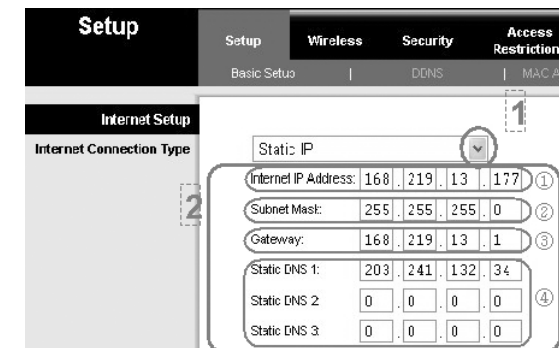
1. In case of using ADSL, select the “PPPoE”.
2. In order to access at ISP (Internet Service Provider), enter the user name and password.

2-2 Cable



1. In case of using Cable, select the “Automatic Configuration – DHCP”.

2-3 Static (Fixed) IP



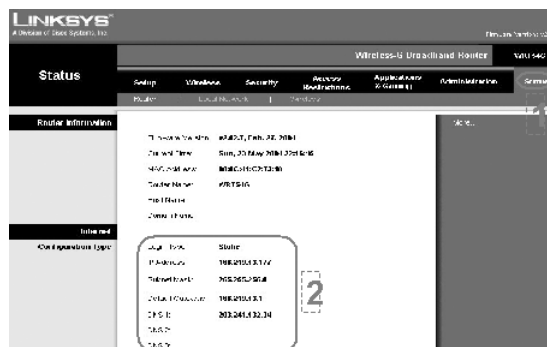
1. In case of using the Static (Fixed) IP, select the “Static IP”.
2. Network Properties.
 - (1) Enter Internet IP Address.
 - (2) Enter Subnet Mask.
 - (3) Enter Gateway.
 - (4) Enter DNS server.Contact the network manager about the above value.

3. Set the Time zone



1. Select the "Time Zone".
2. Press the "Save Settings".

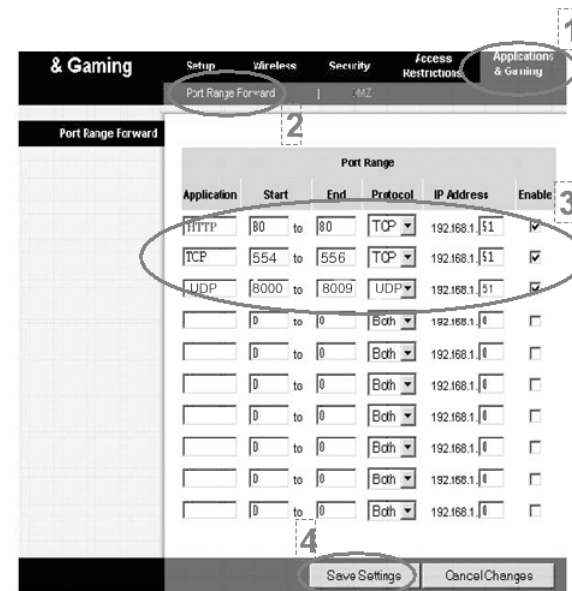
4. Verify the Connection state.



The way to verify the setting state is as follows.

1. Press the "Status".
2. Verify the data below Internet Configuration Type.
3. In case of using Cable or ADSL:
Press the "Connect" button if the login is "Disconnected". If fail again, retry from Step1 (Connection).
4. Remember the IP/Subnet mask/Gateway of connection, and it will be helpful to install SCC-C6475(P) afterwards.

5. Port Forwarding (Be sure to read this.)



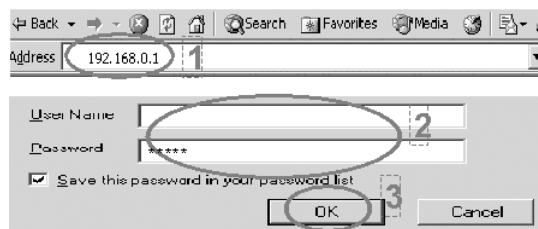
1. Click the "Applications and Gaming".
2. Click the "Port Range Forward".
3. Port forwarding
 - ① First line: Application: Enter HTTP
Start and End: Enter 80 both
Protocol: Select TCP
IP Address: 192.168.1.2 ~ 255
Enable: Select
 - ② Second line: Application: Enter TCP
Start: Enter 554 (RTSP Port)
555 (TCP Streaming Port)
End: Enter 556 (Upload Server Port)
Protocol: Select the "TCP".
IP Address: The same IP with HTTP
Enable: Select
 - ③ Third line: Application: Enter UDP
Start: Enter 8000
End: Enter 8009
Protocol: Select UDP
IP Address: Enter the same IP with HTTP/TCP
Enable: Select

Warning Be sure to memorize the above setting value to use the SCC-C6475(P) setting.

4. Press the "Save Settings".
5. Close the Internet browser.

Setting the IP router Example (Netgear model RP614v2)

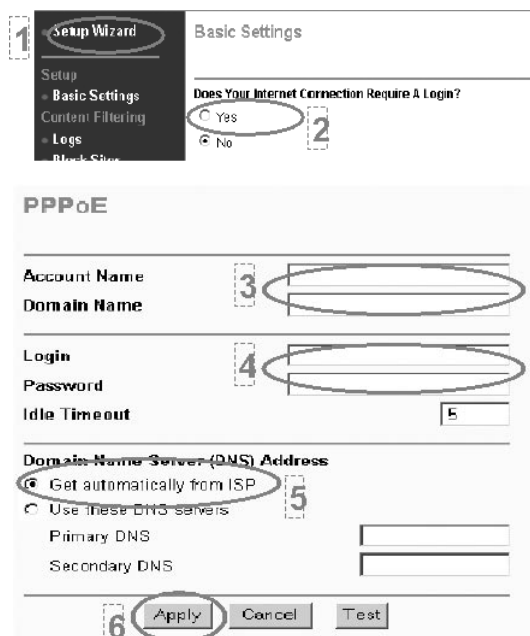
1. Access



1. Open the internet browser and enter http://192.168.0.1 in the address and press enter.
2. User Name: Enter the "admin".
Password: Enter the password
3. Click the "OK".

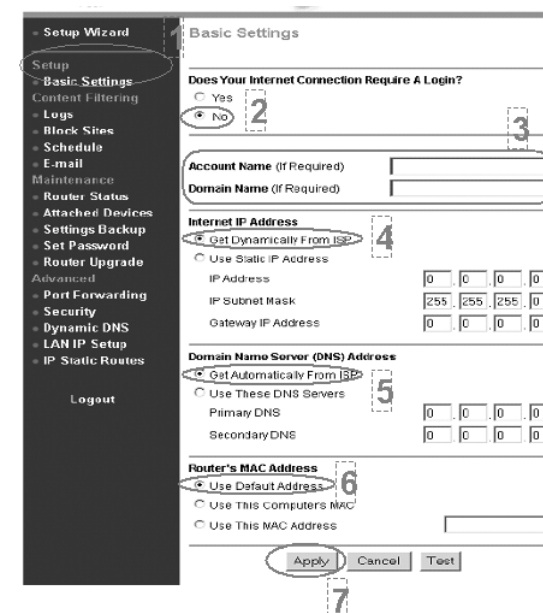
2. Setting the internet connection

2-1 ADSL



1. Select the "Setup Wizard" and press the "Basic Settings".
2. In case of using ADSL, select "Yes".
3. In case of demanding Account Name and Domain Name when accessing the internet, enter the provided contents from ISP (Internet Service Provider).
4. Enter the user name and password.
5. Select the "Get automatically from ISP".
6. Press the "Apply" button.

2-2 Cable



1. Select the "Basic Settings" in Setup Wizard.
2. Select "No" in case of Cable Modem.
3. Enter the Account Name and Domain Name only when ISP (Internet Service Provider) demands.
4. Select the "Get Dynamically from ISP".
5. Select the "Get Automatically from ISP".
6. Select the "Use Default Address".
7. Press the "Apply" Button.

Note Contact the network manager about IP Address/Subnet Mask/Gateway.

2-3 Static (Fixed) IP

Basic Settings

Does Your Internet Connection Require A Login?
☐ Yes ☒ NO

Account Name (If Required):
 Domain Name (If Required):

Internet IP Address
☒ Get Dynamically From ISP
☒ Use Static IP Address

IP Address: [0][0][0][0]
 IP Subnet Mask: [255][255][255][0]
 Gateway IP Address: [0][0][0][0]

Domain Name Server (DNS) Address
☒ Get Automatically From ISP
☒ Use These DNS Servers

Primary DNS: [0][0][0][0]
 Secondary DNS: [0][0][0][0]

Router's MAC Address
☒ Use Default Address
☐ Use This Computer's MAC
☐ Use This MAC Address

[Apply] [Cancel] [Test]

1. Select the "Basic Settings" of Setup Wizard.
2. Select "No" in case of using Static (Fixed) IP.
3. Select the "Use Static IP Address".
4. Network Properties
 - ① Enter IP Address : IP*
 - ② Enter Subnet Mask : Subnet Mask*
 - ③ Enter Gateway IP : Gateway*
5. Select "Use These DNS Servers"
6. Enter Primary DNS and Secondary DNS: DNS*
7. Select "Use Default Address"
8. Press the "Apply" button.

3. Verify the connection status.

Router Status

System Name
 Firmware Version: 1.00 RC10 Feb 05 2002

WAN Port
 IP Address: 10.1.1.135
 DHCP: Client
 IP Subnet Mask: 255.255.255.0

LAN Port
 IP Address: 192.168.0.1
 DHCP: Server
 IP Subnet Mask: 255.255.255.0

[Show Statistics] [Show PPPoE Status]

Check the connection status as follows.

1. Select "Router Status".
2. Verify WAN Port information.
 Be sure to write down the Subnet Mask number to use the set SCC-C6475(P) afterwards.

4. Port Forwarding (Be sure to read this.)

Port Forwarding

#	Service Name	Start Port	End Port	Server IP Address
1	HTTP	80	80	192.168.0.51
2	TCP	554	556	192.168.0.51
3	UDP	8000	8009	192.168.0.51

[Add Custom Service] [Edit Service] [Delete Service]

☒ Enable

Service Name: HTTP
 Start Port: 80
 End Port: 80
 Server IP Address: 192.168.0.51

[Add] [Cancel]

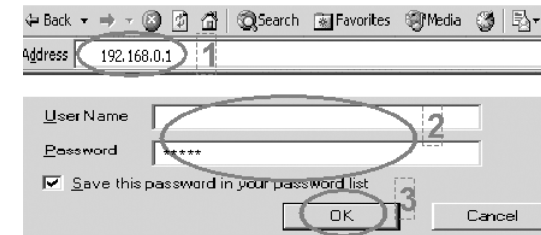
1. Select the Port Forwarding in Advanced.
2. Port forwarding (HTTP)
 - ① Press “Add Custom Service”.
 - ② Service Name : Enter HTTP
 - ③ Start Port and End Port : Enter 80
 - ④ Server IP Address : 192.168.1.2 ~ 255
 - ⑤ Select “Enable”.
 - ⑥ Press the “Add” button.
3. Port forwarding (TCP)
 - ① Press “Add Custom Service”.
 - ② Service Name : Enter TCP
 - ③ Start Port : Enter 554. End Port: Enter 556
 - ④ Server IP Address : The same IP with HTTP
 - ⑤ Select “Enable”.
 - ⑥ Press the “Add” Button.
4. Port forwarding (UDP)
 - ① Press “Add Custom Service”.
 - ② Service Name : Enter UDP
 - ③ Start Port : Enter 8000, End Port : Enter 8009
 - ④ Server IP Address : The same IP with HTTP/TCP
 - ⑤ Select “Enable”.
 - ⑥ Press the “Add” button.

Note Be sure to memorize the above set value to use the SCC-C6475(P) setting afterwards.

5. Close the web browser.

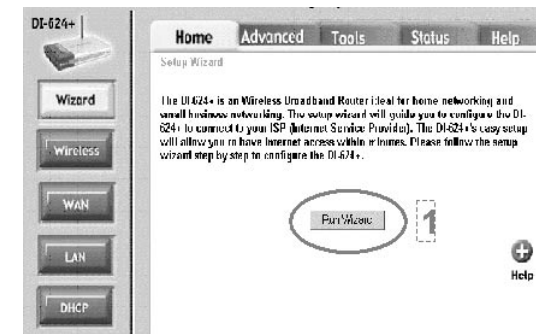
Setting IP router Example (D-Link model DI-624+)

1. Access



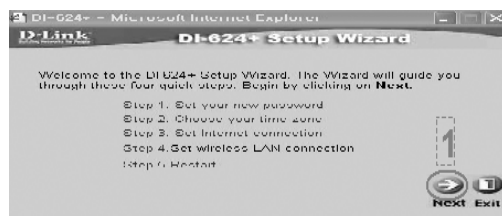
1. Open the internet explorer and enter the http://192.168.0.1 in the address window and press Enter.
2. User Name: admin
Password: Empty
3. Press the “OK” button.

2. Run Wizard



1. Press the “Run Wizard” button.

3. First screen



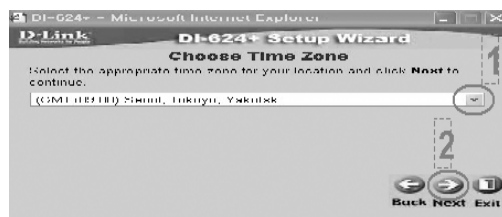
1. Press the “Next” button.

4. Password for Router



1. Enter the new password to change the password when accessing the router.
2. Press the “Next” button.

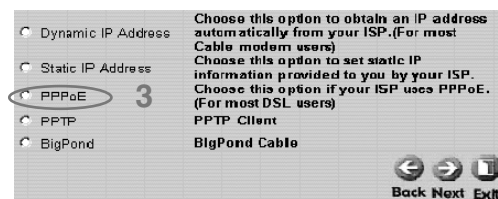
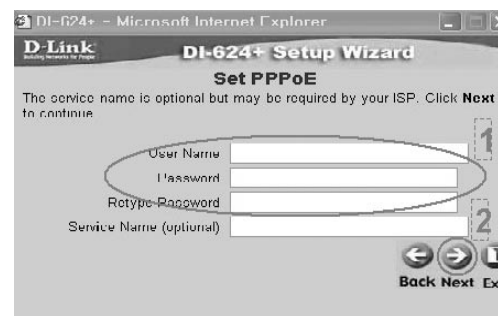
5. Time zone



1. Set the time zone that is suitable for user.
2. Press the “Next” button.

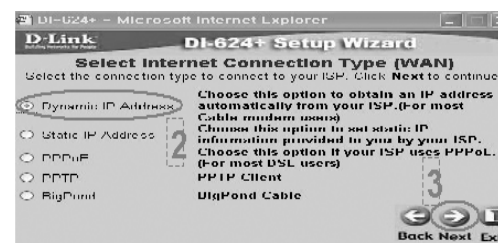
6. Setting the internet connection

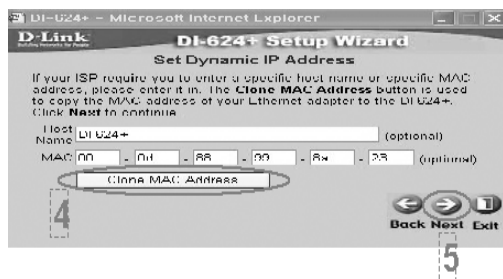
6-1 ADSL



1. In case of using ADSL, enter the user name and password.
2. Press Next button and move 7th step.
3. Unable to connect automatically, set them manually as the left lower side.
Select “PPPoE” and press the “Next” button.

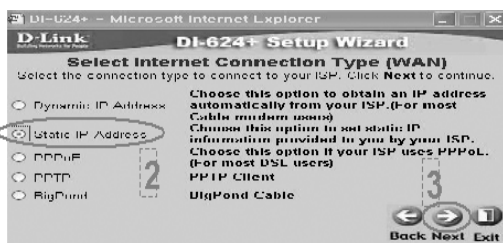
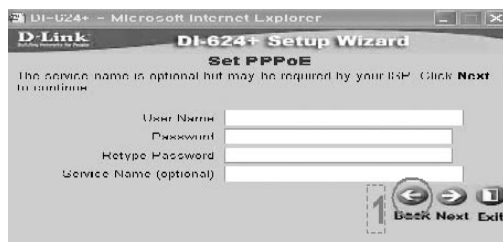
6-2 Cable Modem





1. In case of using Cable, press the “Back” button.
2. Select “Dynamic IP Address”.
3. Press the “Next” button.
4. Enter “MAC Address” in the bottom of the router and press the “Clone MAC Address” button.
5. Press the “Next” button and move to the 7th step.

6-3 Static (Fixed) IP



1. In case of Static (Fixed) IP, press the “Back” button.
2. Select “Static IP Address”.
3. Press the “Next” button.
4. Enter “IP Address/Subnet Mask/Gateway/DNS”.
5. Press the “Next” button.

Note Contact the network manager in case of not knowing the above value.

7. Wireless LAN



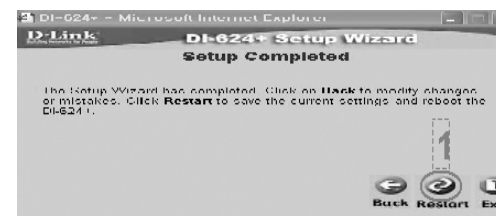
1. In case of not using Wireless LAN, press the “Next” button.
- Note** In case of using Wireless LAN, Enter SSID and Channel, and press the “Next” button.

8. Encryption



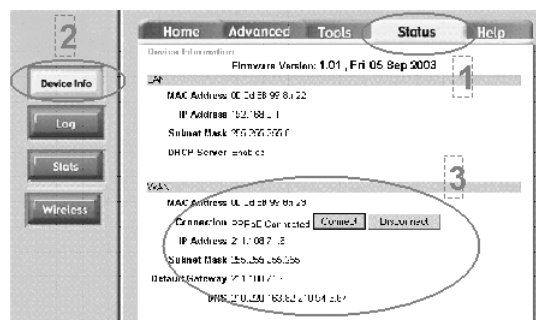
1. In case of not using Encryption, press the “Next” button.
- Note** In case of using Encryption, mark to “Enabled” and select web password format, and enter “Key” and then press the “Next” button.

9. Restart



1. In case of displaying the screen as left, the internet connection is achieved successfully. Press the “Restart” button to restart the router.

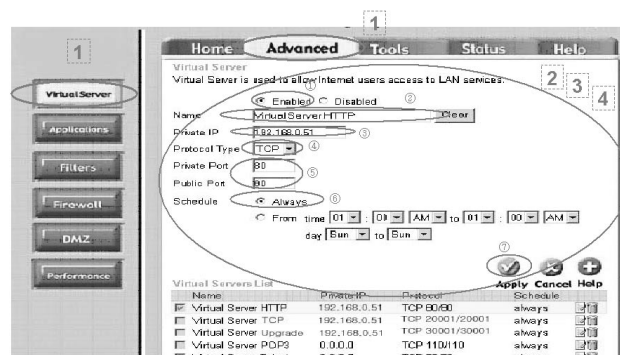
10. Checking the Connection



This step is for checking the connection status.

1. Select "Status".
2. Select "Device Info."
3. Check the information of WAN part. If Disconnected, press the "Connect" button and retry to access. If it is unable to keep connecting, retry to go back at first (access).
4. Be sure to remember the Subnet Mask number to set SCC-C6475(P) afterwards.

11. Port Forwarding (Be sure to read.)



1. Select "Advanced" of Virtual Server.
Set in order Virtual Server (Port Forwarding) about HTTP/TCP/UDP.
2. Virtual Server (Port Forwarding) for HTTP
 - ① Enabled : Select
 - ② Name : Enter HTTP
 - ③ Private IP : 192.168.0.2 ~ 255(Except the IP assigned to the connected internet equipment)
 - ④ Protocol Type : Select "TCP"
 - ⑤ Private Port and Public Port : Enter "80"
 - ⑥ Schedule : Select "Always"
 - ⑦ Press the "Apply" button.
3. Virtual Server (Port Forwarding) for TCP
 - ① Enabled : Select
 - ② Name : Enter "TCP".
 - ③ Private IP : Enter the same IP with HTTP.
 - ④ Protocol Type : Select "TCP".
 - ⑤ Private Port and Public Port : Enter 554/554, 555/555, 556/556.
 - ⑥ Schedule : Select "Always".
 - ⑦ Press Apply button.
4. Virtual Server (Port Forwarding) for UDP
 - ① Enabled : Select
 - ② Name : Enter "UDP".
 - ③ Private IP : Enter the same IP with HTTP/TCP.
 - ④ Protocol Type : Select "UDP".
 - ⑤ Private Port and Public Port : Enter 8000/8000 ~ 8009/8009.
 - ⑥ Schedule : Select "Always".
 - ⑦ Press the "Apply" button.

Note Be sure to memorize the above set items to use to set SCC-C6475(P).
5. Close the internet explorer window.

Product specifications

SCC-C6475

NO	Items	Contents	Remark
1	Product Type	- Zoom lens single body WDR IP SmartDome CAMERA	
2	Power Input	- AC 24 ± 10% (60Hz ± 0.3Hz)	
3	Power Consumption	- 25W	
4	Broadcasting Type	- NTSC STANDARD COLOR SYSTEM	
5	Image Device	- 1/4 inch WDR compatible Exview HAD CCD	
6	Effective Pixels	- 768(H) x 494(V)	
7	Scanning Mode	- 525 Lines, 2:1 Interlace	
8	Scanning line Frequency	- Horizontal : 15, 734 Hz(INT) / 15, 750 Hz(L/L) - Vertical : 59, 94 Hz(INT) / 60 Hz(L/L)	
9	Synchronization Mode	- INT/LINE LOCK	
10	Resolution	- 480 TV LINES	
11	S/N Ratio	- 50dB (AGC OFF)	
12	Min. Object Illumination	- COLOR : 0.2 Lux (SENS UP X4) 0.005 Lux (SENS UP X160) - B/W : 0.07 Lux (SENS UP X4) 0.002 Lux (SENS UP X160)	
13	WDR	- 128	
14	Color Temperature	- ATW1/ATW2/AWC/MANUAL MODE (3200K, 5600K, R/B GAIN Court)	
15	Signal Output	- COMPOSITE VIDEO OUT : 1.0 Vp-p 75 ohms/BNC	
16	Lens	- one body; 22x Zoom lens - Focal length : 3.6 to 79.2 mm - Aperture : F1.6(Wide), F3.8(Tele) - Auto Focus	
17	PAN Function	- PAN range : 360° Endless - Preset Pan Speed : 400° /sec, maximum - Manual Pan Speed : 0.1° ~ 180° /sec (64Step)	
18	TILT Function	- TILT range : 0° ~ 180° - Preset Tilt Speed : 200° /sec, maximum - Manual Tilt Speed : 0.1° ~ 90° /sec (64Step)	
19	REMOTE CONTROL	- Tele/Wide(ZOOM), Near/Far(FOCUS), Iris Open/Close, Pan/Tilt, MENU RS-485 HALF/FULL Duplex, RS-422	
20	ALARM	- Alarm Inputs : 4 IN(5mA Sink) - Alarm Outputs : 3 OUT (Open collector : 2 DC24V 40mA Max, Relay : 1, NO, NC, COM 2A 30VDC, 0.5A 125VAC Max)	
21	Operation Temperature	- -10°C ~ +50°C	
22	Operation Humidity	- ~90%	
23	SIZE	- DOME : 147 (ø), - Outline : 159.6(ø) x 177(H)	
24	Weight	- 1.7Kg	
25	Lives of Main Parts	- Lens - Slip-ring - Fan	One Year(for use of Full AF) Rotated 10,000,000 Times 4.5 Years

SCC-C6475(P)

NO	Items	Contents	Remark
1	Product Type	- Zoom lens single body WDR IP SmartDome CAMERA	
2	Power Input	- AC 24 ± 10% (50Hz ± 0.3Hz)	
3	Power Consumption	- 25W	
4	Broadcasting Type	- PAL STANDARD COLOR SYSTEM	
5	Image Device	- 1/4 inch WDR compatible Exview HAD CCD	
6	Effective Pixels	- 752(H) x 582(V)	
7	Scanning Mode	- 625 Lines, 2:1 Interlace	
8	Scanning line Frequency	- Horizontal : 15, 625Hz(INT) / 15, 625 Hz(L/L) - Vertical : 50 Hz(INT) / 50 Hz(L/L)	
9	Synchronization Mode	- INT/LINE LOCK	
10	Resolution	- 480 TV LINES	
11	S/N Ratio	- 50dB (AGC OFF)	
12	Min. Object Illumination	- COLOR : 0.2 Lux (SENS UP X4) 0.005 Lux (SENS UP X160) - B/W : 0.07 Lux (SENS UP X4) 0.002 Lux (SENS UP X160)	
13	WDR	- 128	
14	Color Temperature	- ATW1/ATW2/AWC/MANUAL MODE (3200K, 5600K, R/B GAIN Court)	
15	Signal Output	- COMPOSITE VIDEO OUT : 1.0 Vp-p 75 ohms/BNC	
16	Lens	- one body; 22x Zoom lens - Focal length : 3.6 to 79.2 mm - Aperture : F1.6(Wide), F3.8(Tele) - Auto Focus	
17	PAN Function	- PAN range : 360° Endless - Preset Pan Speed : 400° /sec, maximum - Manual Pan Speed : 0.1° ~ 180° /sec (64Step)	
18	TILT Function	- TILT range : 0° ~ 180° - Preset Tilt Speed : 200° /sec, maximum - Manual Tilt Speed : 0.1° ~ 90° /sec (64Step)	
19	REMOTE CONTROL	- Tele/Wide(ZOOM), Near/Far(FOCUS), Iris Open/Close, Pan/Tilt, MENU RS-485 HALF/FULL Duplex, RS-422	
20	ALARM	- Alarm Inputs : 4 IN(5mA Sink) - Alarm Outputs : 3 OUT (Open collector : 2 DC24V 40mA Max, Relay : 1, NO, NC, COM 2A 30VDC, 0.5A 125VAC Max)	
21	Operation Temperature	- -10°C ~ +50°C	
22	Operation Humidity	- ~90%	
23	SIZE	- DOME : 147 (ø), - Outline : 159.6(ø) x 177(H)	
24	Weight	- 1.7Kg	
25	Lives of Main Parts	- Lens - Slip-ring - Fan	One Year(for use of Full AF) Rotated 10,000,000 Times 4.5 Years

Cautions

- The copyright of the manual belongs to Samsung Electronics Co., Ltd.
- Without the permission of Samsung Electronics it cannot be reproduced electronically, mechanically, audibly, or by any other method.
- This manual will be modified according to product enhancements.

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

